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Beckert's Bulbs

D. N. Shoemaker.
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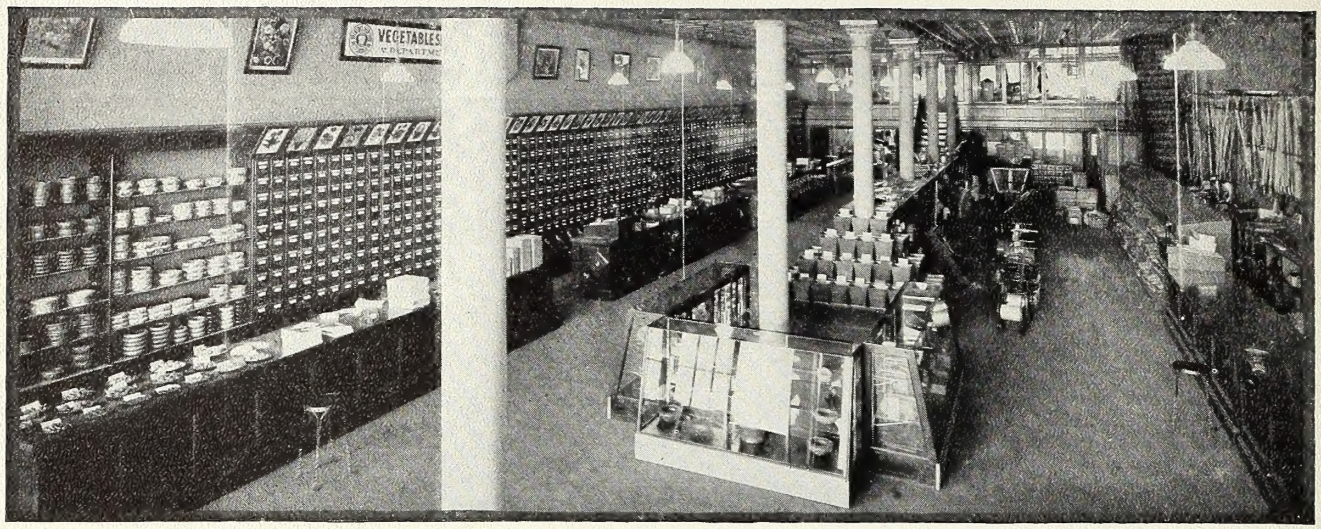
BECKERT'S SEED STORE
101-103 FEDERAL ST., N.S., PITTSBURGH, PA.



Prompt and Efficient Service by Mail and Express

IT IS more convenient for many of our customers to order their seeds and bulbs by mail than to call at our store. For those customers, this catalogue is specially written and mailed, free, to all who have favored us with their orders during the past year and to any others who are interested in gardening and ask for it.

Whether you call at our store for your seeds and garden supplies or order them by mail, we can assure you of the same prompt and courteous attention and the same helpful interest in your garden success. We make it our business to fill every mail order, large or small, the day it is received: throughout the year we have maintained a strictly twenty-four hour service. "Quick mails make near neighbors of us all."

It is our desire to serve you well. We have tried to make this catalogue a thoroughly reliable guide to garden success. The varieties which we handle are carefully selected and accurately described. If you are in need of further information, do not hesitate to write us; the knowledge we have gained in forty-five years of seed-growing is at your command. If you are in doubt as to what varieties to use, you can leave it to us to select those best adapted for your purposes.

Please help us to fill and ship your orders accurately and with all possible dispatch by noting carefully the following instructions.

Send Us Your Order as Early as Possible.

Use the Enclosed Order Sheet, listing your requirements consecutively in the order in which they appear in the catalogue. Always keep a copy.

Write Your Name and Address Distinctly on every order you send us. Give your Name, Post Office, County and State, also Street or Box Number.

Send Your Remittances, by Post Office or Express Money Order, Registered Letter or Draft. For small amounts stamps are acceptable.

Correspondence should not be intermingled with the body of the order, but should be written on a separate sheet.

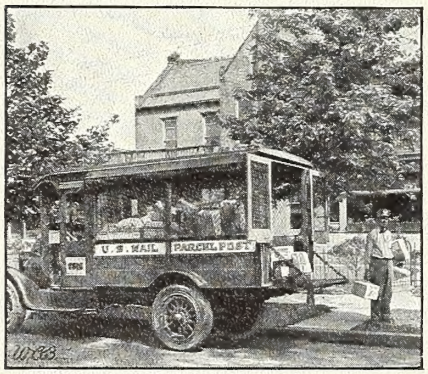
Give Complete Shipping Instructions on every order. If you are not sure which method of shipment will be best or cheapest you can safely leave that to us. Seeds, bulbs, and plants are now entitled to special express rates, which are considerably lower than on general merchandise. Consequently, we advise shipment by parcel post or express in all cases where quick delivery is desired and the order is not too bulky. See table of Parcel Post Rates below.

Substitutions and Adjustments. Late in the season some stock may be exhausted so it is advisable, if you do not order early, to name substitutes, or instruct us to use our judgment in filling your order if, by chance, certain varieties which you desire should be sold out. We never substitute unless instructed to do so.

When a remittance is not sufficient to pay for the goods ordered, we will send the quantities for which the remittance pays.

With regard to errors, we take every possible precaution to avoid their occurrence. Notify us at once if your order is not properly filled and we will make the necessary adjustment.

About Warranties and Guarantees. Because of our inability to control Nature's forces, we cannot guarantee *crops* from our seeds. No *honest* seedsman can or does. We take all precautions, *every* precaution, to see that our seeds are right. They are tested as to vitality and purity; they come from the foremost seed-growing specialists; they are handled by experienced men and put up in the most careful manner; they are guaranteed to represent full value for money received. Beyond that, we cannot go, so, in common with all responsible houses, *we do not warrant in any way, expressed or implied, the contents or description, quality, productiveness, or any other matter of any seeds, bulbs, or plants sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, he should return them at once and money will be refunded. We make all sales subject to the above conditions.*



Quick, economical service from our door to yours via U. S. mail

Parcel-Post Rates

Parcels of seeds and bulbs weighing less than 8 ounces must pay postage to all zones at the rate of 1 cent for each 2 ounces; in excess of 8 ounces at pound rates.

Parcels of general merchandise weighing 4 ounces or less must pay postage to all zones at the rate of 1 cent per ounce; in excess of 4 ounces at pound rates.

We deliver postpaid at catalogue prices all seeds in packets, ounces and quarter-pounds.

		First pound or fraction	Each additional pound or fraction	Limit of weight
Local rate.	Pittsburgh and R. F. D. Routes Nos. 1, 2, 3, 4, 5	$0 05	$0 01	70 lbs.
1st zone.	Within 50 miles of Pittsburgh	05	01	70 lbs.
2d zone.	Over 50 and under 150 miles from Pittsburgh	05	01	70 lbs.
3d zone.	Over 150 " " 300 " " "	06	02	50 lbs.
4th zone.	Over 300 " " 600 " " "	07	04	50 lbs.
5th zone.	Over 600 " " 1,000 " " "	08	06	50 lbs.
6th zone.	Over 1,000 " " 1,400 " " "	09	08	50 lbs.
7th zone.	Over 1,400 " " 1,800 " " "	11	10	50 lbs.
8th zone.	Over 1,800 miles from Pittsburgh	12	12	50 lbs.

All goods sent by parcel post are at purchaser's risk, unless insured. Insurance is 5 cents for $25 or less, 10 cents for $25 to $50. This insures delivery only, but not damage to package.

BECKERT'S BULBS FOR FALL PLANTING

PEACE and the return to more nearly normal conditions in Europe gave a new impetus to the work of the Holland bulb breeders, which was of necessity neglected during the war period. As a result of this intensive effort on the part of our growers to make up for lost time, we are able to offer this year (on this and pages 2 and 14) a number of magnificent new Tulips and Daffodils which will be of particular interest to those who want and appreciate the best.

The other pages of this Catalogue are devoted to our usual comprehensive list of choice standard varieties which years of experience have proved can be relied upon to give the greatest pleasure and satisfaction under varying conditions.

We trust you will find our offerings this season more attractive than ever before.

The Finest New Single Early Tulips

CULLINAN. 13-B. This splendid new Tulip easily takes first rank among the forcing varieties, while it is also most satisfactory outdoors. In color it is creamy white, flushed with rose at the edges of the petals, delicate but clear and exceedingly attractive. The flowers are well-formed and substantial, carried on strong stems. 20 cts. each, 50 cts. for 3, $1.65 per doz., $6.25 for 50, $12.00 per 100.

DE WET, or **Fireglow.** 17-C. *See illustration No. 1 to right.* Distinct in color and one of the most brilliant in its class. Glowing orange-yellow, lighter at the base, flushed and stippled with scarlet. When forced it is bright orange. The flowers are unusually large, borne erect on long, strong stems, and sweet scented. One of the finest Tulips in cultivation for both indoors and out. 40 cts. each, $1.10 for 3, $4.00 per doz., $15.00 for 50.

RISING SUN. 16-B. The newest and, by all odds, the best yellow early Tulip for both bedding and forcing. Giant flowers, long and handsomely shaped, clear, deep golden yellow in color. 10 cts. each, 25 cts. for 3, 95 cts. per doz., $3.50 for 50, $6.50 per 100.

SPECIAL OFFER. Three bulbs of each of these 3 fine, new Single Early Tulips for $1.75; 6 of each for $3.25; one dozen of each for $6.25; 50 bulbs of each for $23.50.

New and Rare Double Early Tulips

THREE "SPORTS" FROM THE GRAND OLD FAVORITE MURILLO

ELECTRA. 12-C. Larger and more double than the parent variety. Deep rosy violet, shaded with lighter violet. Very desirable for forcing and bedding. Very scarce. 35 cts. each, 95 cts. for 3, $3.50 per doz., $13.00 for 50.

MR. VAN DER HOEFF. 13-C. *See illustration No. 2 to right.* Pure, delicate primrose-yellow, the finest of its color. Like Murillo, a splendid forcing Tulip. A bed of Mr. Van der Hoeff planted in combination with Electra is superb beyond description. 10 cts. each, 25 cts. for 3, 90 cts. per doz., $3.35 for 50, $6.25 per 100.

PEACH BLOSSOM. 12-C. Destined, we believe, to become the leading Double Early Tulip for forcing, Peach Blossom has inherited every good quality of Murillo and is unexcelled in color. Vivid rose-pink, becoming deeper as the flower ages. Large, full-double flowers of finest form. 20 cts. each, 50 cts. for 3, $1.60 per doz., $6.00 for 50, $11.00 per 100.

SPECIAL OFFER. Three bulbs of each of these 3 rare Double Early Tulips for $1.60; 6 of each for $2.85; one dozen of each for $5.25; 50 of each for $21.25.

Three Beautiful New Varieties in the Cottage Tulip Class

QUAINTNESS. 20-C. Golden brown, flushed with rose on the outside of the petals and shading to mahogany within, with yellow base. Long, oval flowers of rare beauty. 50 cts. each, $1.45 for 3, $5.25 per doz., $20.00 for 50.

SIRENE (The Lily Tulip). 16-B. *See illustration No. 3 to right.* The petals are pointed and reflexed, giving the flower the appearance of a Lily. Clear, satiny rose, lighter at the edges. An unusual and exceptionally attractive Tulip for the garden. 25 cts. each, 65 cts. for 3, $2.25 per doz., $8.00 for 50, $15.00 per 100.

UNION JACK, or **Distinction.** 20-A. Large, conspicuous flowers, pale violet, splashed with purple and white. A fine Tulip that is very effective in border plantings. 10 cts. each, 25 cts. for 3, 85 cts. per doz., $3.25 for 50, $6.00 per 100.

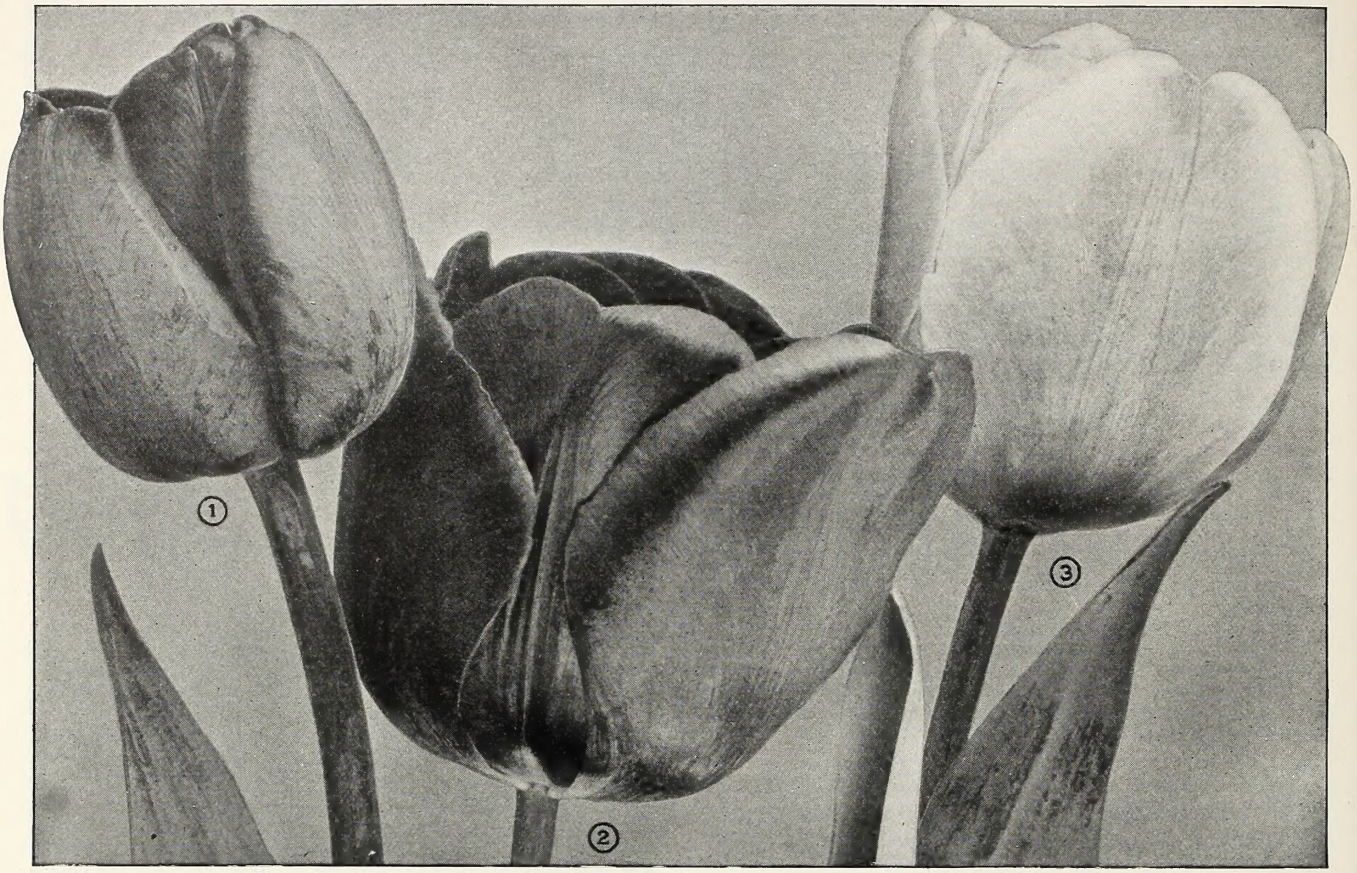
SPECIAL OFFER. Three bulbs of each of these 3 new and beautiful Cottage Tulips for $2.25, 6 of each for $4.25, one dozen of each for $8.00, 50 of each for $29.75.

For mailing weight of Tulip bulbs and the complete list of standard varieties see pages 8 to 13

No. 1, De Wet or Fireglow (Single Early)
No. 2, Mr. Van Der Hoeff (Double Early)
No. 3, Sirene (Cottage or May-Flowering)

SPECIAL COMBINATION OFFER of the three new Tulips illustrated above

One of each (3 bulbs)	$0 65	Twelve of each (36 bulbs)	$6 75
Three of each (9 bulbs)	1 80	Fifty of each (150 bulbs)	25 00



No 1, James Watt (Breeder). No. 2, City of Haarlem (Darwin). No. 3, Chant de Cygne (Darwin)

SPECIAL COMBINATION OFFER of these rare Tulips: One of each (3 bulbs) $1.35; three of each (9 bulbs) $3.80; twelve of each (36 bulbs) $13.25

FOUR RARE NEW BREEDER TULIPS

COPERNICUS. 28-C. Light brown, flushed with bronze and old-rose; greenish yellow base inside. The flowers are extra-large, carried on long, strong stems. The warm yet dignified tones of this superb flower will appeal to all lovers of the royal Breeders. 20 cts. each, 55 cts. for 3, $1.95 per doz., $7.25 for 50, $14.00 per 100.

CORYDION. 24-A. Light yellow, striped with lilac; a flower combining the clear colors of the Cottage Tulips with the majestic size and appearance of the Breeders. Planted in the shade or among the shrubs in the border, it is exceedingly effective. 15 cts. each, 40 cts. for 3, $1.35 per doz., $5.00 for 50, $9.50 per 100.

JAMES WATT. 24-C. *See illustration No. 1 above.* A Tulip of marvelous color and form, James Watt is the finest variety of the Breeder type yet to be developed. The flowers are globular, of good size and substance; outside richest bronzy purple, edged with dark brown, with a fine ashy bloom; inside royal purple with green base, starred white. Very rare. Single bulb 80 cts., $2.25 for 3.

VULCAIN. 25-B. Fine rosy apricot, shading to buff and yellow at the margin, with green base; large, globular flowers. Distinct in color and brilliant against the green of shrubbery. 35 cts. each, $1.00 for 3, $3.50 per doz., $13.50 for 50.

SPECIAL OFFER. One bulb of each of these four royal Breeder Tulips for $1.40, 3 of each for $4.00, 6 of each for $7.75, one dozen of each for $15.00. For full list of Breeder Tulips, see page 11

MAGNIFICENT NEW GIANT DARWIN TULIPS

AFTERGLOW (Katherine Havemeyer). 26-D. An interesting "sport" from that fine old variety Baronne de la Tonnaye, presenting an entirely new color in the Darwin type. Clear, deep salmon-orange, lighter at the edges of the petals; inside dark, glowing orange; a sturdy grower, not suitable for forcing but magnificent outdoors. 35 cts. each, 95 cts. for 3, $3.50 per doz., $13.00 for 50, $25.00 per 100.

BLEU AIMABLE. 25-D. The most nearly true blue of the newer Darwin Tulips. Bright ageratum-blue, shaded steel-blue outside and deep violet inside; base blue, starred white. 10 cts. each, 25 cts. for 3, 95 cts. per doz., $3.60 for 50, $6.75 per 100.

CHANT DE CYGNE (Swan Song). 26-C. *See illustration No. 3 above.* Glowing salmon-cerise, shaded rose. Flowers unusually large and fine, excelling all others of its color. A rare beauty. 25 cts. each, 65 cts. for 3, $2.50 per doz., $9.00 for 50, $17.50 per 100.

CITY OF HAARLEM. 27-C. *See illustration No. 2 above.* The newest, largest, and easily the best bright red Darwin Tulip. Huge flowers on long, sturdy stems; glowing scarlet with slate-blue base, starred white. 40 cts. each, $1.10 for 3, $4.00 per doz., $14.50 for 50, $28.00 per 100.

LOUISE DE LA VALLIERE. 24-C. Wonderfully cup-shaped flowers of clear, delicate rose-pink, carried on long, strong stems; base white, marked with blue. Exquisite in color and perfect in form, Louise de la Valliere is a notable addition to this popular class of Tulips. Fine for forcing as well as outdoors. 30 cts. each, 75 cts. for 3, $2.75 per doz., $10.00 for 50, $19.50 per 100.

PRESIDENT TAFT. 22-C. Noteworthy on account of the fine contrast between the unusually deep green foliage and dark crimson flowers. A hardy, sturdy grower; most effective outdoors. 25c. each, 65 cts. for 3, $2.50 per doz., $9.00 for 50, $17.50 per 100.

SPECIAL OFFER. One bulb of each of these six superb new Darwin Tulips for $1.50, 3 of each for $4.00, 6 of each for $7.75, one dozen of each for $15.00, 50 of each for $55.00, 100 of each (600 altogether) for $105.00. We believe this to be the finest selection of new Darwin Tulips ever offered and splendid value for the money. The complete list of Darwin Tulips will be found on pages 12 and 13.

HYACINTHS

Giant Exhibition Bulbs

These are varieties selected for their large-sized spikes, elegance of form, and beauty and richness of color. The bulbs are of mammoth size—the cream of the crop—and naturally command advanced prices. We offer this grade only in limited quantities and request early orders for them. Exhibition Hyacinth bulbs are unsurpassed for growing in pots but are not suitable for outdoor work; they are too large to grow in Hyacinth glasses but may be flowered in any large vase, if this is preferred to pot culture. (First-Size Named Hyacinths are offered on the following two pages, where more complete descriptions are given of some of the varieties offered below in Exhibition Size.) **If to be sent by parcel post, add postage at your zone rate. One dozen bulbs weigh 4 pounds.**

Single Red, Rose, and Pink Shades

	Each	Doz.	100
ETNA. Clear, deep rose	$0 18	$1 80	$13 50
GENERAL DE WET. Light pink	18	1 80	13 50
HOFGARTNER KUHNERT. Bright rose-pink	20	1 95	14 75
LADY DERBY. Light rose-pink	18	1 80	13 50
LA VICTOIRE. Shining carmine	18	1 80	13 50
MARCONI. Deep rose	20	2 00	15 00
PRINCE OF NETHERLANDS. Deep rosy pink	20	2 00	15 00
QUEEN OF THE PINKS. Clear, soft pink	18	1 80	13 50
QUEEN WILHELMINA. Vivid pink	18	1 80	13 50

Single White and Blush Shades

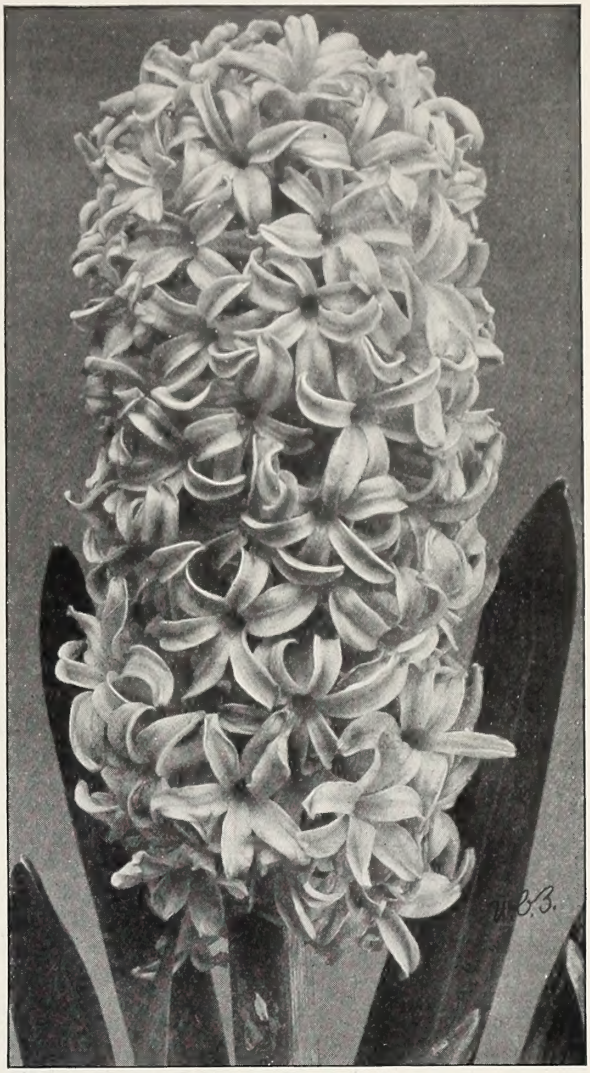
ARENTINE ARENDSEN. Pure white; early	18	1 80	13 50
CORREGGIO. Snowy white	18	1 80	13 50
GENERAL VETTER. Blush-white	18	1 80	13 50
HEIN ROOZEN. Snow-white; early	18	1 80	13 50
LA GRANDESSE. Purest white; late	18	1 80	13 50
MADAME KRUGER. Pure white	18	1 80	13 50
QUEEN EMMA. White, shaded blush	18	1 80	13 50
QUEEN OF THE WHITES. Pure white; early	20	2 00	15 00
WHITE LADY. White, immaculate	19	1 90	14 25

Single Light and Dark Blue Shades

ADMIRAL COUBERT. Clear violet-blue	18	1 80	13 50
BISMARCK. Sky-blue, shaded violet	19	1 90	14 25
ELECTRA. Light silvery blue	18	1 80	13 50
ENCHANTRESS. Delicate porcelain	18	1 80	13 50
GENERAL VAN DER HEYDEN. Bright lavender	18	1 80	13 50
GOUNOD. Dark lavender-blue	20	2 00	15 00
GRAND MAITRE. Deep blue	18	1 80	13 50
KING OF THE BLUES. Deep violet-blue	18	1 80	13 50

Single Yellow Shades

CITY OF HAARLEM. Orange-yellow	19	1 85	13 75
YELLOW HAMMER. Creamy yellow	19	1 85	13 75



Exhibition Hyacinth, Etna

Hyacinths in Glasses

Hyacinths should not be started in water before the end of October. The bulbs require a certain period of rest and, if started too early, they will not develop a satisfactory root-growth and, consequently, will produce an imperfect flower.

With proper attention, the Hyacinth will produce as fine a flower in water as in soil. For this purpose, use only the most perfect bulbs and, before placing them in the glasses, free the base of the bulb from dust, remnants of old decayed roots that may still adhere, and any other impurities. This will prevent contaminating the water. After thoroughly cleaning the interior of the glasses, fill them with pure, clear, soft water. Rainwater cannot be recommended. The entire base of the bulb must be in contact with the surface of the water and remain so until the roots develop. Replenish the water as it evaporates or renew if it becomes offensive. Place them in a cool and dark location, letting them remain there until the roots nearly reach the bottom of the glasses. Should any of the roots after starting show decay, lift the bulb out of the glass and remove such roots. When bringing them to the light, place them where they are cool, as the flower will develop better and last longer.

Varieties Specially Adapted for Water Culture

These are the highest grade of First-Size Hyacinths of such varieties as have been proved by test to be the best adapted for growing in glasses. The bulbs are not so large as Exhibition Hyacinths, but are so selected for size and shape that they will fit well in the cup of the Hyacinth glass. For full descriptions, see list of the First-Size Named Hyacinths.

If to be sent by parcel post, add postage. One dozen bulbs weigh 3 pounds

	Each	Doz.
BISMARCK. Sky blue. Very early	$0 20	$2 00
CITY OF HAARLEM. Golden yellow. Medium early.	20	2 00
CORREGGIO. Pure white. Medium early	20	2 00
GENERAL VETTER. Blush-white. Medium early	20	2 00
KING OF THE BLUES. Rich, dark blue. Medium late	20	2 00
LADY DERBY. Beautiful, light rose-pink. Early	$0 20	$2 00
LA VICTOIRE. Brilliant red, changing to pink. Medium late	20	2 00
L'INNOCENCE. Pure white. Very early	20	2 00
QUEEN OF THE PINKS. Lovely pink. Medium late	20	2 00

Pot of Single Hyacinths

HYACINTHS

EXTRA-SELECTED, FIRST-SIZE BULBS OF THE FINEST

Single Named Varieties

These Are Equal to the Bulbs Some Houses Offer as "Exhibition" or "Mother Bulbs"

First-Size Hyacinth Bulbs are suitable for both indoor and outdoor culture, being used almost exclusively for growing in pots and pans, as they force easily and bear large, well-developed trusses. They produce the largest flowers outdoors also but, on account of their long stems and heavy spikes, should not be planted in windy or exposed situations. (*See page 6 for ordinary bedding Hyacinths.*)

We are no longer listing the double varieties as they have little to recommend them but their novelty and seldom give satisfactory results. The single-flowering varieties force more readily and make far larger and finer trusses.

Culture in Pots, Bowls, or Boxes

Use porous soil thoroughly mixed with well-rotted manure and some sand, and provide for drainage. A single bulb will require a 5-inch pot. Allow same proportionate space when planting a number of bulbs in larger pots or window-boxes. Remove any sprouts there may be at the base of the bulbs. Plant the bulbs so that the top appears just above the surface of the soil, water thoroughly, and place in a cool, dark but airy situation until the roots are well established, then bring to the light.

If to be sent by parcel post, add postage at your zone rate—one dozen bulbs weigh 3 pounds. See inside front cover for postal rates

Red and Deep Rose

CARDINAL MANNING. Bright red; splendid large trusses with bells of great size. A very early forcer and one of the finest for pot culture.

ETNA. Clear dark rose; beautiful trusses with large bells, carried on strong stems. One of the best for pots and one of the last to bloom.

GERTRUDE. Deep rose-pink; compact spikes on good stems. A very popular forcing variety, also used for bedding.

LA VICTOIRE. Shiny carmine-rose, with large, well-filled spikes. A splendid bedding variety.

MARCONI. Bright deep rose; short, broad trusses, borne on stiff stems. A good forcer but particularly fine outdoors.

VICTOR EMANUEL. Pink overlaid with crimson; fine, large trusses. An early forcer and a splendid bedder.

Light Rose and Pink

CARDINAL WISEMAN. Light carmine-rose, with large, compact spikes. One of the best varieties in its class for pots.

GENERAL DE WET. Lively light pink with a lighter center; large trusses with good-sized bells. Fine for forcing or bedding.

HOFGARTNER KUHNERT. Bright rose-pink; spikes unusually large, and well formed. The best for early forcing.

KOHINOOR. A lovely pink with long, handsome spikes. Bells inclined to come semi-double. A fine bedding variety.

LADY DERBY. Beautiful, clear rose-pink, with large, compact trusses. Early and fine for both forcing and bedding.

PRINCE OF NETHERLANDS. A distinct and beautiful shade of rose-pink; large spikes. Very early and one of the best for pots.

QUEEN OF THE PINKS. A very lovely pink; trusses broad and large, with good-sized bells and strong stems. The best late forcing variety and good for all purposes.

QUEEN WILHELMINA. A distinct and pleasing rose-pink; large spikes of splendid form. Early and good for both bedding and forcing.

Pure White

ARENTINE ARENDSEN. One of the finest whites; long spikes with large, snowy white bells. Early, fine for forcing and a good bedder.

BRITISH QUEEN. A pure white of splendid form and a vigorous grower.

CORREGGIO. Pure white with long, well-filled trusses of large, substantial bells. The finest white for potting.

HEIN ROOZEN. Long and rather loose but substantial spikes, with large snow-white bells. One of the best early forcers and a good bedder.

LA GRANDESSE. Pure white with fine, compact spikes. The best late forcing variety and fine for bedding as well.

L'INNOCENCE. This is the most satisfactory all-round pure-white. Compact spikes with large bells. Does well indoors and out.

QUEEN OF THE WHITES. A pure white sport of Queen of the Blues. Large trusses on strong stems. Early and a splendid forcer.

WHITE LADY. Immense, compact spikes of large, pure white bells. A good bedder.

Blush-White

GENERAL VETTER. White, shaded blush, changing to pure white when in full bloom. Strong grower with large, well-filled spikes.

MADAME VAN DER HOOP. White, with faint blush; compact trusses and large bells. Good for pots and an attractive bedder.

QUEEN EMMA. An improved Madame Van der Hoop with immense, well-filled trusses on strong, stiff stems. Fine for forcing.

Blue and Dark Blue

ADMIRAL COUBERT. A clear violet-blue, with large trusses. Early and good for indoors and out.

BISMARCK. Sky-blue, shading to violet in the center of the petals. The earliest blue forcing variety; unsurpassed for pots.

DR. LIEBER. Lavender-blue, shaded violet, the general effect being deep blue. Bears large, compact spikes and is fine for early forcing as well as bedding.

First-Size Hyacinth Bulbs—any of the above—12 cts. each, $1.25 per dozen, $9.50 per 100 (postage extra)

Finest Single Named Hyacinths, continued

BLUE AND DARK BLUE, continued

GRAND MAITRE. Deep blue with long, compact spikes of large bells, on strong stems. One of the most popular blues; fine for pots as well as bedding.

KING OF THE BLUES. Dark violet-blue; splendid, large trusses. One of the best-known blue Hyacinths. Good for late forcing and bedding.

MARIE. Very dark blue, almost purple; well-formed trusses. A splendid bedder and good for forcing.

MENELIK. Blackish blue—almost black. Large, solid spikes with large bells. Most effective when grouped with one of the pink or yellow sorts.

Light Blue and Lilac

ELECTRA. Light, silvery blue with immense, well-filled spikes. Early and one of the finest light blue Hyacinths for forcing.

ENCHANTRESS. Clear porcelain-blue; beautiful long spikes on strong stems. An excellent pot Hyacinth and the best light blue bedding variety.

GENERAL VAN DER HEYDEN. Bright lavender; long, well-filled trusses on strong stems. Very early and fine for forcing.

GRAND LILAS. Deep lilac, with large spikes. A splendid variety for both bedding and forcing.

LIGHT BLUE AND LILAC, continued

LORD DERBY. Pale porcelain blue; compact spikes with medium-sized bells. One of the best for outdoor bedding.

MYOSOTIS. Beautiful forget-me-not blue; of only medium size, but well-formed and a good bedder.

PERLE BRILLANT. Light blue, tinged lavender; splendid spikes with large, substantial bells. A fine pot Hyacinth and good for bedding.

QUEEN OF THE BLUES. Clear, light porcelain-blue; a strong-growing variety with large, well-formed trusses. One of the best of its color, particularly for bedding.

Yellow and Orange

BUFF BEAUTY. Deep yellow, shaded rose; the general effect being orange-buff. Fine, long trusses. Good both indoors and out.

CITY OF HAARLEM. The finest of the yellows. Well-formed trusses of orange-yellow bells. An excellent variety for forcing and bedding.

DAYLIGHT. Pretty primrose-yellow with a rosy suffusion; long, loose spikes. A splendid bedding variety.

YELLOW HAMMER. The best-known and most popular yellow for forcing. Fine, compact trusses with medium-sized bells. Opens creamy yellow, the color deepening as the flower ages.

First-Size Hyacinth Bulbs—any of the above—12 cts. each, $1.25 per doz., $9.50 per 100 (postage extra)

Miniature or Dutch Roman Hyacinths

These are the 3-year-old bulbs of the Dutch Hyacinths, easily forced and largely grown for winter flowering. Can be forced in pots, pans, or grown in bowls and vases in Holland Fiber. They bloom later than the true French Roman Hyacinths but produce larger spikes. Five to six bulbs can be potted in a 6-inch pot. Treatment same as for Dutch Hyacinths.

GERTRUDE. Deep rose-pink.

GRAND MAITRE. Lavender-blue.

KING OF THE BLUES. Violet-blue.

LA GRANDESSE. Snow-white.

LA VICTOIRE. Carmine-rose.

L'INNOCENCE. Pure white.

MORENO. Earliest rose.

SCHOTEL. Light blue.

Above varieties, 5 cts. each, 45 cts. per doz., $3.25 per 100

French Roman Hyacinths

These are the true Roman Hyacinths, invaluable for early forcing. The flowers are much smaller than those produced by the Dutch Miniature Hyacinths but earlier and more graceful. The ease with which they can be grown in pebbles and water, like the Paper-White Narcissus, as well as in soil or fiber, and their long-lasting quality, make them especially desirable for forcing in the home, where they may be had in bloom from Thanksgiving until Easter. Allow plenty of time for them to establish roots before bringing them to the light.

	Each	Doz.	100
White. First-Size Bulbs, 12–13 cm.	$0 11	$1 10	$8 30
White. Large Bulbs, 13–15 cm...	13	1 30	9 70
White. Extra-Select Bulbs, 14–15 cm.....	15	1 45	10 75
Light Pink. First-Size Bulbs.....	10	95	7 10
Light Blue. First-Size Bulbs....	10	95	7 10
Italian White. First-Size Bulbs..	10	1 00	7 40

Miniature, or Dutch Roman Hyacinths

Hyacinths for the Garden

CULTURE.—The soil must have good drainage and be dug to a depth of 12 inches. The beds should slope from the center outward for surface drainage. Well-rotted manure, dug in, will suffice for the wants of the bulbs and also for the usual bedding plants to follow in such beds the next spring. Plant the bulbs 6 to 9 inches apart and to a depth, from the crown of the bulb, of about 5 inches in heavy soil and 7 inches in light soil. Protect the beds with 3 to 4 inches of leaves or light litter, gradually removing this in the spring. It is still better to cover with several inches of well-rotted and light manure, allowing this to remain on the beds in the spring, as this mulch keeps the beds moist and cool, and the blooming period is thereby considerably lengthened. The bulbs can be planted any time from the first of October until the ground freezes. They may even be planted later if precaution is taken, before too heavy frosts or snow, to cover the spots where the bulbs are to be planted with either litter or coarse manure. However, early planting is preferable, as the root-growth has time to develop, enabling the plants better to withstand the winter, and also contributing to the production of larger and more perfect flower-spikes.

Named Single Bedding Hyacinths, Extra Quality

We strongly recommend the use of Named Bedding Hyacinths for outdoor planting in preference to Unnamed Hyacinths under color. The latter are made up of many varieties in mixture, which are not uniform in height, color, or time of blooming. When Named Bedding Hyacinths are planted, uniformity in color, height of plant, and time of blooming are insured and at a cost not much in excess of Unnamed Bedding Hyacinths.

If to be sent by parcel post, add postage at your zone rate. One dozen bulbs weigh 2 pounds; 100 bulbs, 15 pounds

RED SHADES

GENERAL DE WET. Light pink, white center; large spike.
GERTRUDE. Rose-pink; compact spike; strong stem.
KING OF THE BELGIANS. Bright, glistening red; tall; erect.
LA VICTOIRE. Shining carmine; fine, upright spike.

BLUE SHADES

GRAND MAITRE. Deep lavender-blue; immense, loose spike.
KING OF THE BLUES. Rich dark blue; large, perfect spike.
PERLE BRILLANTE. Light blue; large, erect.
QUEEN OF THE BLUES. Clear porcelain-blue; beautiful trusses.

WHITE SHADES

GENERAL VETTER. Blush-white; large, pyramidal spike.
L'INNOCENCE. Pure white; large bells; fine spike.
MR. PLIMSOLL. Blush-white; large bells; broad spike.
QUEEN OF THE WHITES. Pure white; early.

YELLOW SHADES

KING OF THE YELLOWS. Rich deep yellow; tall, erect spike.
YELLOW HAMMER. Creamy yellow; compact truss.

Any of the above at 8 cts. each, 75 cts. per doz., $5.50 per 100, $50.00 per 1,000

Unnamed Single Bedding Varieties, Extra Quality

If to be sent by parcel post, add postage at your zone rate. One dozen bulbs weigh 2 pounds; 100 bulbs, 15 pounds.

Red Shades
Rose and Pink Shades
Blush-White
Pure White
Light Blue Shades
Dark Blue Shades
Yellow Shades
All Colors, Mixed

Any of the above at 6 cts. each, 60 cts. per doz., $4.60 per 100, $41.50 per 1,000

Prepared Hyacinths for Very Early Forcing

These bulbs have been specially treated to hasten their maturity, as a consequence of which they bloom considerably earlier than ordinary Hyacinths and produce extra-large, perfect spikes. Culture same as for first-size Hyacinths.

One dozen bulbs weigh 2 pounds; 100 bulbs, 15 pounds.

Lady Derby. Fine; light pink.
Nimrod. Delicate rose; largest size.
Arentine Arendsen. Snow-white; large, round trusses.
L'Innocence. Pure white; compact spikes.
Bismarck. Light violet-blue.
Schotel. Light blue; long spikes.

Any of the above at 20 cts. each, $1.95 per doz., $14.65 per 100

Giant-Flowering CROCUS

MAMMOTH BULBS

The Crocus is one of the earliest spring flowers. They produce fine effects, if planted promiscuously throughout the lawn or in shrubbery, especially if combined with any of the other early-flowering bulbs. Plant Crocus bulbs 2 inches deep, and at the same time you plant other varieties outdoors. Six or more bulbs may be planted in a pot or pan, placed in a cool situation, and when leaves appear they may be taken indoors. These Mammoth Bulbs may also be flowered in bowls in water with pebbles or may be grown in moss in balls, baskets, etc.

If Mammoth Bulbs are to be sent by parcel post, add postage at your zone rate. 100 bulbs weigh 4 pounds

	Doz.	100	1,000
WHITE			
KING OF THE WHITES. Extra-large and fine	$0 20	$1 50	$14 00
KATHLEEN PARLOW. Purest white; large orange anthers; fine substance	25	1 90	17 50
MT. BLANC. Large pure white	20	1 40	12 75
BLUE			
MAXIMILIAN (Dorothea). A splendid sky-blue; one of the finest	25	1 60	15 00
PRESIDENT LINCOLN. Deep purplish blue	20	1 40	13 00
PURPUREA GRANDIFLORA. Large; rich, deep purple	25	1 70	15 50
YELLOW			
GOLDEN YELLOW. First-Size Bulbs	25	1 70	15 50
Mammoth Bulbs	30	2 20	20 00

Crocus from Our Mammoth Bulbs

STRIPED

LA MAJESTUEUSE. White, striped violet. Doz. 20 cts., $1.40 per 100, $13.00 per 1,000.

	Doz.	100	1,000
PALLAS. White ground, fine lilac stripes; orange anthers; extra-large flower	$0 25	$1 90	$17 50
SIR WALTER SCOTT. White, striped purple	20	1 35	12 50

Freesia, Purity

Mixed Crocus Bulbs

White, Blue, Striped, and Yellow Varieties, 12 cts. per doz., 80 cts. per 100, $7.50 per 1,000. One dozen will be sent by parcel post at catalogue prices, but for larger quantities add postage at your zone rate. 100 bulbs weigh 2 pounds; 1,000 bulbs weigh 13 pounds.

Autumn-Flowering Crocus

They are entirely hardy and worthy of extended use. Plant the bulbs as early as possible and not too deep. They may also be grown in pots.

If to be sent by parcel post, add postage at your zone rate. 100 bulbs weigh 5 pounds

	Each	Doz.	100
SATIVUS (Saffron Crocus). Purplish blue	$0 04	$0 40	$2 85
SPECIOSUS. Blue	05	50	3 50
ZONATUS. Lavender	05	45	3 25

FREESIA

Very popular and widely cultivated early-flowering fall bulbs. They force readily and can easily be flowered by Christmas. Plant six to ten bulbs, according to size, in a 6-inch bulb-pot, covering 1 inch. Allow them to root in a cool place for about three weeks, then bring to the light. The flowers are very fragrant, gracefully branched, and last a long time.

Free by mail at catalogue price per dozen. For Monster and Mammoth bulbs, add postage at your zone rates—100 bulbs weigh one pound; First-Size bulbs, 100 bulbs weigh one-half pound.

	Each	Doz.	100	1,000
PURITY. Pure white. The largest-flowering and finest variety.				
Jumbo Bulbs. (The largest grown)	$0 06	$0 55	$4 10	$38 50
Mammoth Bulbs. 5/8- to 3/4-in. diam	05	45	3 35	31 00
Select First-Size. 1/2- to 5/8-in. diam	04	40	2 70	25 00
GENERAL PERSHING. One of the finest of the new colored Freesias. Rosy lavender with yellow throat and lip. A strong grower	07	70	4 95	46 50
VIOLA. Large sprays of beautiful violet-blue flowers. A new and distinct sort	07	70	4 95	46 50

TULIPS

For gorgeous display as an early spring flower, the Tulips are, without question, supreme. They are so entirely hardy and easily cared for, and they flower so freely in city or country, in sun or shade, that their popularity never wanes but increases year by year. By proper selection of varieties, their flowers may be enjoyed from early April to June and they come in almost every conceivable hue, surpassing all other flowers in range and brilliancy of color. Those who know Tulips in their infinite beauty and variety do not wonder at the wild enthusiasm and speculation which raged in Holland during the first part of the seventeenth century, when single bulbs of new varieties sold for more than their weight in gold. For centuries before the "Mania" in Holland, the Tulip had been cultivated and greatly prized by the Turks, who had even at that time developed many improved varieties from the native wild forms of Persia and Asia Minor.

Although its popularity today is more widespread than ever, the Tulip, fortunately, is no longer a flower for only the wealthy. Bulbs of all but the most recent novelties are low in price and well within the range of the most modest pocketbook. The Tulip is, indeed, a flower that every lover of the beautiful may enjoy.

There are several classes or types of Tulips, differing in height and season of bloom, range of color, and other characteristics. All are easy to grow and hardy outdoors, while most of them are also easily forced in pots or pans in the house. The Single Early Tulips are the first to bloom in the spring. In outdoor beds, the bulbs should be planted 5 to 6 inches apart and covered with 3 or 4 inches of soil. For house culture, plant four to six bulbs in a 6-inch pot and a proportionate number in the larger bulb-pans. Treat them in the same manner as Hyacinths and remember that a good growth of roots is essential before the plants are brought into the light.

In the following lists of Tulips we have indicated by figures after the names of varieties the average height in inches to which they grow. Varieties most suitable for forcing are indicated by a star (*).

The order of flowering is indicated by the letters A, B, C, and D. The difference in time of flowering is not great, so that those under the A class can be planted with those of the B class, and the B class with the C class, and so on.

POSTAGE ON ALL TULIPS. If wanted by parcel post, add postage at your zone rate. One dozen bulbs weigh 1 pound; 100 bulbs 8 pounds. See inside front cover.

Choice Single Early Tulips

INCLUDING THE BEST OF THE RECENT INTRODUCTIONS

	Each	Doz.	100	1,000
***ALBION** (White Hawk). 10-A. Large, globular; pure white, crinkled petals; fine for forcing and outdoors	$0 07	$0 70	$5 25	$49 00
***BELLE ALLIANCE** (Waterloo). 9-B. Large; sweet-scented; scarlet. Excellent for forcing and bedding.	06	55	4 05	37 75
CHRYSOLORA. 11-B. Golden yellow. Fine bedder. Flower keeps its color well until the petals drop	05	50	3 70	34 25
COULEUR CARDINAL. 12-D. Outside bronze-scarlet, inside glittering crimson; large, fine flowers. Fine for bedding and late forcing	08	75	5 45	51 00
COTTAGE MAID (La Precieuse). 7-C. Bright pink. Splendid bedder.	06	55	3 90	36 50
***CRAMOISI BRILLANT.** 10-C. Brilliant scarlet. A splendid bedder and sure forcer. Very handsome	05	40	2 55	23 50

Single Early Tulips

	Each	Doz.	100	1,000
DUCHESSE DE PARMA. 10-C. Orange-red, margined deep yellow. A splendid bedder with tall, strong stem	$0 05	$0 50	$3 55	$33 00
FLAMINGO. 12-C. White, flaked bright carmine-rose. A sport from White Hawk, having its artistic shape with its more or less crinkled petals	07	70	5 25	49 00
***GOLDEN QUEEN.** 12-B. One of the best yellows; large, well-shaped golden yellow flower on strong stem. Early forcer	05	50	3 55	33 00
***GOLDFINCH.** 10-B. The true Yellow Prince. Golden yellow; sweet scented. Forces easily and early; lasts long when cut; retains color	05	45	3 40	31 50
JOOST VAN VONDEL, RED. 11-B. Deep cherry-red, feathered white	05	40	3 10	28 75
***JOOST VAN VONDEL, WHITE** (Lady Boreel). 12-B. The largest and most intense of the white early Tulips. Splendid forcer and bedder.	06	60	4 40	41 00
***KEIZERKROON** (Grand Duc). 14-A. Carmine-scarlet, with broad yellow border. This old variety, which forces well, remains a great favorite for bedding; should be planted by itself	05	40	3 10	28 75
***KING OF THE YELLOWS.** 10-B. Deep golden yellow; one of the earliest yellows; flowers egg-shaped and fine for cutting. Fine for forcing as well as bedding	05	45	3 40	31 50
***LA REINE** (Queen Victoria). 11-B. White, slightly shaded rose. Splendid both for forcing and bedding	05	35	2 30	21 00
***MON TRESOR.** 11-A. Pure golden yellow; extra-fine, large flower. One of the best and easiest forcers.	05	50	3 55	33 00
OPHIR D'OR. 12-B. Pure yellow. Undoubtedly the best yellow bedder	05	50	3 65	34 00
PINK BEAUTY. 12-C. Rosy pink, slightly feathered white; flowers of unsurpassed size and beauty	09	85	6 60	62 00
***PRINCE OF AUSTRIA.** 15-B. One of the tallest and largest of the Early Tulips. Bright orange-scarlet; sweet-scented. Good for early and late forcing and a splendid bedder	05	50	3 75	34 75

Choice Single Early Tulips, continued

	Each	Doz.	100	1,000
***PROSERPINE.** 13-B. Fine, glowing carmine-pink; large flowers. Forces easily and early; fine bedder.	$0 09	$0 90	$6 70	$62 75
QUEEN OF THE NETHERLANDS. 14-B. Very delicate blush-pink. An excellent bedder	06	60	4 60	43 00
***QUEEN OF VIOLETS** (President Lincoln). 12-B. Unique in color and most attractive when planted with one of the eight yellow sorts. Clear rose-violet. Splendid for both forcing and bedding	05	45	3 25	30 00
***ROSE LUISANTE.** 10-C. Dark silky rose; the finest rose variety. Both a forcer and bedder	09	85	6 60	62 00
***SIR THOMAS LIPTON.** 13-B. Brilliant crimson, cup-shaped flowers of large size. Fine for forcing and bedding	08	75	5 35	50 00
***THOMAS MOORE.** 14-C. Apricot-orange; distinct, fine-shaped flower. Good forcer and bedder	$0 05	$0 35	$2 00	$18 00
***VERMILION BRILLIANT.** 10-B. Bright vermilion; best of its class. Forces very readily; fine bedder; large	06	55	3 95	37 00
BECKERT'S SUPERB SINGLE MIXED. This is our own special mixture which we recommend where the best results are desired in beds of mixed colors. It is made up of varieties which grow to about the same height and bloom at the same time	05	50	3 65	34 00
FINE MIXED. This mixture is as we import it from our grower in Holland, special care being taken to have it made up of all possible varieties and colors	04	30	2 10	19 25

Double Early Tulips

The double varieties cannot be forced so early or readily as the singles. One of the earliest, Salvator Rosa, may be had by the middle of January, while varieties preceded by a star (*) may be flowered from January to March. The flowers are large and brilliant and are effective in beds or groups. If grown in pots, do not attempt flowering before they are well rooted.

	Each	Doz.	100	1,000
***BOULE DE NEIGE** (Purity). 10-B. Pure white, large, peony-like flower; is a splendid forcer and bedder	$0 06	$0 55	$4 10	$38 25
***COCHINEAL.** 9-B. Brilliant scarlet; very large, semi-double flower; good forcer	06	55	4 20	39 25
***COURONNE D'OR.** 11-B. Golden yellow, flushed orange; a magnificent flower of great beauty and size; strong stems; fine forcer	06	60	4 45	41 50
***EL TOREADOR.** 12-B. Shining orange-scarlet with a margin of old-gold. A striking Tulip in beds or forced	09	85	6 55	61 50
GOLDEN KING. 13-A. One of the most charming. Soft, very pleasing shade of canary-yellow, shaded golden yellow	09	90	6 75	63 50
***IMPERATOR RUBRORUM.** 11-B. Glowing scarlet; large and very double	06	60	4 60	43 00
LA CANDEUR. 10-C. Pure white; popular bedder; holds flower a long time	05	50	3 70	34 75
***LAC VAN HAARLEM.** 13-C. Large, full-double flowers; rosy violet in color. A superb bedding Tulip	09	85	6 55	61 50
***LUCRETIA.** 12-B. Deep pink; one of the grandest large pink Tulips	05	45	3 25	30 00
***MURILLO.** 11-C. Beautiful light pink; very popular forcing variety.	05	35	2 20	20 00
QUEEN EMMA. 11-C. Enormous very double rosy red flowers	06	60	4 50	41 50
***RUBRA MAXIMA.** 11-B. Dazzling scarlet; splendid bedding variety	05	40	3 10	28 75
***SAFRANO** (Tea Rose). 11-B. Of a pleasing safrano-yellow color, like the old tea rose	05	50	3 50	32 25
***SALVATOR ROSA.** 12-B. Dark pink; fine for forcing and outdoor.	05	50	3 75	34 75
SCHOONOORD. 13-B. A pure white sport of Murillo, with all of its good qualities	06	60	4 25	39 50
***TOURNESOL, RED-AND-YELLOW.** 10-B. Rich scarlet, edged yellow	07	70	5 00	46 75
***TOURNESOL, YELLOW.** 10-B. Bright yellow, shading to orange	06	60	4 65	43 50

Double Early Tulips

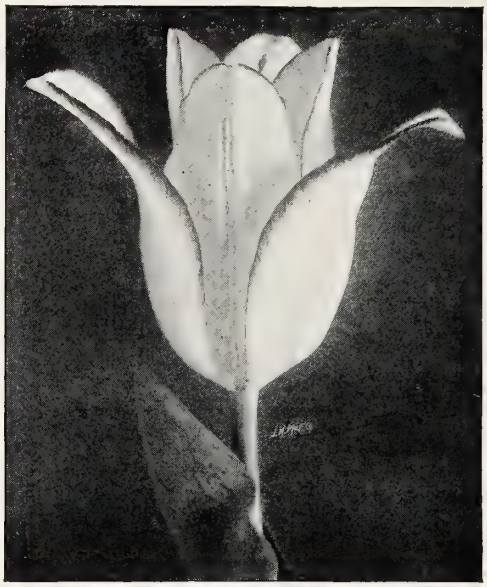
	Each	Doz.	100	1,000
VUURBACH. 11-B. Bright scarlet; splendid bedder; large well-shaped flowers on strong stems	$0 08	$0 75	$5 55	$51 75
BECKERT'S SUPERB DOUBLE MIXTURE. Our own special mixture which we recommend for best results in beds of mixed colors. Made up of named sorts in correct color proportion	05	50	3 85	36 00
FINE DOUBLE MIXED. As imported from our grower in Holland, special care being taken to have the mixture made up of all possible varieties and colors	04	30	2 10	19 25

If to be sent by parcel post, add postage at your zone rate. One dozen bulbs weigh 1 lb., 100 bulbs, 8 lbs. Six bulbs at dozen rate, 50 bulbs at 100 rate, 500 bulbs at 1,000 rate.

Single May-Flowering or Cottage Tulips

The Cottage Tulips come into bloom in early May, after the Early Single varieties have passed. They are hardy and robust, with long, slender, but very stiff stems. The flowers are mostly long and oval, many of them with the petals gracefully reflexed. The Cottage Tulips as a class are rich in the more delicate and artistic shades of yellow, orange, and fawn with salmon, old-rose and amber. They are the best of all Tulips for cutting and, although they develop best when planted outdoors, they may be grown in pots and brought into bloom to succeed the earlier kinds of Tulips.

	Each	Doz.	100
BOUTON D'OR (Ida; Golden Beauty). 20-A. Fine, dark golden yellow; very showy bedder; excellent for cutting	$0 05	$0 50	$3 80
DORIS. 24-B. Charming globular flower on tall stem; center of petal purplish rose, edges blush, shading to soft orange-rose	06	55	4 00
ELEGANS ALBA (White Crown). 20-A. Creamy white with a narrow margin of carmine-rose	06	60	4 45
ELEGANS, CRIMSON. 14-B. Brilliant crimson; petals elegantly recurved; one of the few late Tulips that can be forced	06	55	4 00
ELLEN WILLMOTT. 20-C. Primrose-yellow; flower long and narrow; slightly reflexing petals; tall stems; very attractive	06	55	4 00
FAIRY QUEEN. 20-B. Rosy heliotrope, broadly margined yellow; flowers of enormous size and last a long time	05	45	3 30
FLAVA. 25-D. Large and shapely flowers of an attractive shade of canary-yellow, carried well above beautiful silvery green foliage. Late to bloom and an excellent variety to plant with the early Darwins where a yellow is desired	17	1 70	12 75
FULGENS, SCARLET. 30-A. Dark scarlet; long, recurving petals on very tall stems	05	50	3 60
GESNERIANA AURANTIACA (Orange Globe). 22-C. Bright orange-red, flushed golden yellow; an enormous flower	06	55	4 00
GESNERIANA IXIOIDES. 22-C. Soft, light yellow with black base. The contrast in colors is most effective	08	75	5 70
GESNERIANA LUTEA. 24-C. Golden yellow; most effective bedder of all yellow Cottage Tulips	05	50	3 50
GESNERIANA SPATHULATA. 24-B. Flaming scarlet, with blue base; enormous flower of dazzling brilliancy; popular bedder	06	60	4 35
GLARE OF THE GARDEN. 21-C. A giant amongst the late Tulips; flowers rich scarlet, edged yellow	$0 07	$0 70	$5 00
GOLDEN CROWN. 18-C. Yellow, bordered and feathered orange	06	55	4 00
INGLESCOMBE PINK (Salmon Queen). 24-A. Soft rose with a salmon flush; globular form	05	40	3 05
INGLESCOMBE SCARLET. 20-C. Brilliant scarlet, with black base; large flower	06	60	4 45
INGLESCOMBE YELLOW. 21-C. Glossy canary-yellow; the large globular flower has the cup-shape of the Darwin type	05	45	3 40
ISABELLA (Blushing Bride; Shandon Bells). 15-B. Creamy white, shaded carmine-rose and changing to dark pink	05	50	3 75
MOONLIGHT. 25-A. Long, oval-shaped, soft yellow flower, on strong stem	06	60	4 25
MRS. MOON. 28-C. Large yellow flower; sweet-scented	07	65	4 70
PARISIAN WHITE (La Candeur). 16-A. White, changing to soft rose	06	55	4 00
PICOTEE (Maiden's Blush). 20-B. White, margined rose-pink.	05	50	3 70
RETROFLEXA. 17-A. Yellow; elegant, recurved petals; very handsome	05	50	3 70
ROYAL WHITE. 12-A. Pure white, with primrose on the center of the petals. Largest late white	08	75	5 70
STRIPED BEAUTY (Summer Beauty). 18-B. Rose, flaked crimson and white, large	06	60	4 50
THE FAWN. 20-C. Large, oval flower; light grayish rose, changing to soft rose on cream	05	50	3 70
VITELLINA. 10-B. Light sulphur-yellow, becoming almost white	06	55	4 00
BECKERT'S SUPERB MIXTURE OF COTTAGE TULIPS. This is our own special mixture, made up in well-balanced proportion of the above-named sorts $36.00 per 1,000	05	50	3 85
FINE MIXTURE. As imported from our growers in Holland. Very fine $22.50 per 1,000	04	35	2 45



Picotee Tulip

Bed of Cottage Tulips

Mammoth Breeder Tulips

The Breeder Tulips have been favorites in Holland for centuries, but it is only within recent years that they have become known and appreciated in America, and now they bid fair to rival even the Darwin Tulips in popularity.

Their majestic size and remarkable colors place them distinctly in a class by themselves. Every lover of the more somber shades cannot fail to revel in the rich and artistic blendings of purple and old gold, bronze and terra-cotta, brown and violet, and buff and maroon found among the Breeders. They are late to bloom but surpass in size and vigor the Darwins, although lacking the color brilliancy of the latter. The flowers are, many of them, sweet-scented and all splendid for cutting as they retain for a long time their form and color.

Some of the Breeders are excellent for forcing and all are unsurpassed for outdoor bedding. The varieties which we offer are among the finest of the type—all reliable bloomers of giant size and vigorous growth.

	Doz.	100	1,000
BACCHUS (Rasonia). 28-B. Deep violet-blue—a rare color in Tulips. The large, beautifully formed flowers have a white blotch at the base of the petals inside. 27 cts. each..	$2 65	$20 00	
BRONZE QUEEN (Biscuit; Clio). 24-C. Soft buff, shaded bronze; inside golden bronze with yellow base. Large, sturdy flowers; particularly fine out-of-doors and a good forcer	60	4 30	$40 00
CARDINAL MANNING (Goliath; King's Court). 28-D. A giant among Tulips. The flowers are dull wine-red, flushed rosy bronze, changing to rosy violet, shaded bronze	60	4 35	40 50
CHESTNUT (La Nuit). 24-B. Deep chestnut-brown, shading to deep mahogany inside, with black base. Very distinct and makes a fine contrast with yellow	60	4 55	42 25
DOM PEDRO. 24-C. Coffee-brown with a narrow edge of golden brown; inside rich mahogany with olive base. Flowers large and fragrant.....12 cts. each..	1 20	8 75	82 50
FAIRY (Panorama; The Monument). 20-D. Deep orange-red, shaded mahogany; beautifully shaped. One of the best Breeders for forcing.....11 cts. each..	1 05	7 75	72 75
GODET PARFAIT. 30-C. Violet-purple with a white base. Tall and vigorous, with very large flowers of striking appearance. One of the best....11 cts. each..	1 10	8 25	78 00
GOLDEN BRONZE. 24-C. Outside brownish yellow; inside mahogany, lighter at the edges; yellow base	90	6 95	65 50
LA SINGULIERE (Lord Curzon). 24-B. Silvery white, flushed at the margin with dark maroon-crimson, which gradually suffuses the entire petal as the flower ages..	70	5 15	48 25
LOUIS XIV. 28-C. Without a doubt *the finest of all Tulips.* This variety has made a sensation wherever it has been exhibited. Enormous, globular flowers; dark purple, flushed bronze, with a broad margin of golden brown.....40 cts. each..	4 00	30 00	
LUCIFER. 28-D. Rich rosy orange, edged orange-scarlet. A brilliant flower of majestic form, on a tall stem.....16 cts. each..	1 55	11 65	
MARIE LOUISE. 23-B. Old-rose, margined with orange-salmon, and with a purplish flush. Altogether beautiful, although of only medium size	75	5 55	51 75
PRINCE OF ORANGE. 25-C. Large, showy flowers; terra-cotta, edged orange with yellow base and black center. Always satisfactory	65	4 80	44 75
VELVET KING. 25-C. Glossy purplish maroon with yellow base. Extra-large flowers, very effective for the border or in shrubbery.....16 cts. each..	1 60	11 85	
YELLOW PERFECTION (Old Gold; Empress of China). 24-B. Light bronze-yellow, edged with gold; inside bronze. A large and noteworthy flower	70	5 10	47 50
BECKERT'S SUPERB MIXTURE OF BREEDER TULIPS. Composed of the finest named varieties of this unusual class	80	5 85	55 00
GOOD MIXTURE OF BREEDERS	50	3 65	34 00

If your lawn has become "ragged" during the summer, scratch up the bare spots and sow Beckert's Evergreen Lawn Grass Mixture thickly. Next spring the results will surprise and delight you. Wonderfully good results may be had by sowing Beckert's Evergreen Lawn Grass Seed in September, either for "patching" or a new lawn. See inside of back cover for prices, etc.

Planting of Breeder Tulips

See page 2 for rare New Breeder Tulips which we offer for the first time this year.

Double May-Flowering Tulips

These are full double forms of the Late or Cottage Tulips, equally satisfactory for bedding and cutting, and possessing the same artistic form and colors.

	Each	Doz.	100
BLUE FLAG (Blue Celeste). Large flowers of a soft violet-blue color.	$0 07	$0 65	$4 85
MARRIAGE DE MA FILLE. Carmine, feathered white	06	60	4 35
YELLOW ROSE. Pure buttercup-yellow	06	60	4 50
FINE MIXED. $34.25 per 1,000..	05	50	3 70

(See page 8 for mailing weight of Tulip Bulbs)

GIANT DARWIN TULIPS

Without question, the Darwins are today more popular among lovers of Tulips than any other class.

They are noted for their clear, bright colors, their tall, sturdy growth, and their large, beautifully formed, cup-shaped flowers. Although brilliant, their colors are not harsh and, consequently, the different varieties harmonize well when planted together or with other flowers.

In season they follow two to three weeks after the Early Tulips, and their blooming period overlaps that of the Late or Cottage Tulips. The colors range from the palest lilac through slate-blue, purple and maroon to almost black, and from blush-white through rose-pink and scarlet to crimson.

Some varieties of Darwin Tulips are suitable for forcing, but it is for outdoor beds and borders that they are best adapted, and there they reign supreme. If you have room for only one bed of Tulips, by all means plant Darwins.

	Doz.	100	1,000
ANTON ROOZEN. 28-B. Vivid rose-pink, with white base; large cup-shaped flowers...	$0 65	$4 90	$45 75
ARIADNE. 28-B. Enormous cup-shaped flower of a brilliant rosy scarlet with blue base....	65	4 70	44 00
BARONNE DE LA TONNAYE. 26-D. Vivid pink, margined blush; an old favorite.....	50	3 75	34 75
BARTIGON. 22-B. Fiery crimson, with a pure white base. Very showy..8 cts. each..	80	5 95	56 00
CENTENAIRE. 30-A. Rich violet-rose with blue base. A magnificent flower for the border and good for forcing.....12 cts. each..	1 05	7 95	75 00
CLARA BUTT. 21-D. Delicate salmon-pink; perfect shape and lovely color. Very popular.	55	4 00	37 50

Darwin Tulip, Clara Butt

	Doz.	100	1,000
DREAM. 27-B. Beautiful uniform lilac.....	$0 60	$4 30	$40 00
EDMEE (Beauty). 25-D. Vivid cherry-rose, edged soft old-rose; large flowers.....	70	5 00	46 75
ERGUSTE. 26-A. Deep heliotrope, flushed silvery white, darker inside. Early.....	60	4 45	41 50
ETHEL ROOSEVELT. 15-D. Lovely sweet-scented, rose-colored flower, with blue base .	80	5 95	56 00
EUROPE (Salmon King). 22-B. Glowing salmon-scarlet, shaded rose.....	65	4 80	44 75
EUTERPE. 28-B. Silvery mauve-lilac, lighter at the edges; large flowers on strong stems. Considered the best lavender.....	55	4 05	37 75
FARNCOMBE SANDERS. 25-B. Fiery rosy scarlet; inside vivid cerise-scarlet, with white center marked blue; fine large flowers.....	65	4 65	43 25
FAUST. 30-B. Deep purple-maroon; large and brilliant .....8 cts. each..	80	5 95	56 00
FEU BRILLIANT. 28-C. Vermilion, blue-and-white base. Very fine bedder.....	75	5 55	51 75
FLAMINGO. 28-D. Delicate shell-pink. Very lovely and attractive.....	70	5 25	49 25
GLOW (Claude Gillot). 23-C. Dazzling vermilion-scarlet, white base with blue markings.	65	4 95	46 25
GRETCHEN (Marguerite). 22-C. Silvery pale rose, flushed white; inside soft pink with white center, marked blue.....	50	3 85	35 75
HARRY VEITCH. 24-B. Brilliant blood-red; on long stems.....	60	4 45	41 50
ISIS. 26-C. Glowing vermilion with blue base. One of the showiest bedders.....	60	4 35	40 50
KING GEORGE V. 25-B. Bright cerise, shaded rose; inside orange-scarlet with blue base. Perhaps the most intense coloring found in the Darwins.....50 cts. each..	5 00	38 50	
KING HAROLD. 24-C. Deep ox-blood-red, with blush-white base; very large flowers....	60	4 60	42 75
LA TRISTESSE. 26-C. Slaty purple inside; dull blue outside, shading to white at edges.	55	4 10	38 50
LA TULIPE NOIRE (The Black Tulip). 24-C. Comes nearest of all to black flower.	60	4 20	39 25
L'INGENUE. 27-B. Very delicate rosy pink with a broad border of rosy white.....	70	5 00	47 00
MADAME KRELAGE. 28-B. Soft lilac-rose, with a broad margin of blush-pink; flowers very large, on tall stems.....	60	4 60	42 75
MARCONI. 27-C. Dull violet with a distinct white base; immense flower.....	60	4 20	39 25
MASSACHUSETTS. 26-B. Pink, with white center; splendid form and color.....	60	4 50	42 00
NAUTICAS. 30-B. Dark cerise-rose, center dark violet, shaded bronze; large.....	50	3 70	34 25
OUIDA. 28-B. Bright crimson-scarlet; unusually tall stem and large flower.....	50	3 85	35 75
PHILIPPE DE COMMINES. 24-A. Velvety dark purple; large flower on a stiff stem....	55	4 05	37 75
PRIDE OF HAARLEM. 25-A. Bright rose, suffused with purple; enormous flower.....	50	3 65	33 75
PRINCESS ELIZABETH (Julia Vinot). 26-B. A long rosebud-shaped flower of the deepest pink on a stiff stem .....9 cts. each..	90	6 80	64 00

Giant Darwin Tulips

	Doz.	100	1,000
PRINCESS JULIANA. 24-C. Most brilliant of the Darwins. Dazzling salmon-scarlet	$0 65	$4 95	$46 25
PROFESSOR RAUWENHOFF. 28-C. Deep cherry-rose with salmon glow inside; bright blue base; extra large. One of the finest for early forcing.	65	4 80	44 75
PSYCHE. 26-A. Rich rose; inside shaded silvery rose, with blue base; strong stems	50	3 85	35 75
REVEREND EWBANK. 22-B. Vivid heliotrope-lilac; magnificent flower	50	3 85	35 75
RONALD GUNN. 26-B. Velvety violet, edged lavender, with white base, a distinct coloration, the general effect being almost true blue. 8c each	70	5 55	51 75
SIERAAD VAN FLORA. 24-A. Large, bright rosy red. Early forcer	60	4 45	41 50
SOPHROSYNE. 28-B. Very soft rosy lilac, bordered silvery white	60	4 45	41 25
VALENTINE. 22-A. Heliotrope, shaded violet. Flowers beautifully shaped and carried on long stems 10 cts. each	1 00	7 45	70 00
WHITE QUEEN. 24-B. Buds tinged with pink; mature flowers almost pure white; black anthers. The best-known white Darwin for bedding and forcing	55	4 10	38 50
WILLIAM COPLAND (Sweet Lavender). 25-A. Lilac-rose; earliest of all Darwins	65	4 85	45 50
WILLIAM PITT. 22-B. Very dark scarlet with purple shade on the outer petals	90	6 70	63 00
ZULU. 27-B. Velvety purple-black; large egg-shaped flower of very distinct form	65	4 70	44 00
BECKERT'S SUPERB MIXTURE OF DARWINS. This is our own special mixture which we recommend where the best results are desired in beds of mixed colors	60	4 30	40 00
FINE MIXTURE OF DARWINS. As imported. Not to be compared with ordinary mixtures	40	2 90	27 00

Rembrandt Tulips

These are late Tulips, similar to the popular Darwins in season, height and habit of growth, but distinguished by their unusual colors and markings. The ground colors are mostly delicate shades of rose and lavender, striped and splashed in an odd but attractive fashion with darker shades. A bed of Rembrandt Tulips reminds one in color and design of a rich, Oriental carpet.

	Each	Doz.	100
HEBE. Lilac and white, flamed dark brown	$0 07	$0 70	$5 35
LA COQUETTE. Violet and white; striped black	07	70	5 35
MARCO SPADO. White, flamed carmine-red	07	70	5 35
QUASIMODO. White, feathered crimson	07	70	5 35
RED PRINCE. Flamed scarlet on rose ground	07	70	5 35
SEMELE. Vivid rose stripes on white ground	07	70	5 35
SIRENE. Lilac, flamed brown and white	07	70	5 35
VESTA. Pale violet, striped maroon and white	07	70	5 35
VICTOR HUGO. Carmine, flamed white	07	70	5 35
SUPERB MIXTURE OF REMBRANDTS	07	65	5 00
GOOD MIXTURE $41.50 per 1,000	06	60	4 45

Parrot or Dragon Tulips

Gorgeous, late-flowering Tulips with curiously twisted and slashed petals. The color combinations are remarkably effective; a bed of these Tulips is most interesting and decorative.

	Each	Doz.	100
ADMIRAL CONSTANTINOPLE. Showy scarlet and orange	$0 06	$0 55	$4 10
CRAMOISI BRILLANT. Rich carmine, with black markings; large flowers	06	55	4 10
LUTEA MAJOR. Yellow, with green and crimson stripes	06	55	4 10
PERFECTA. Golden yellow, blotched rich, deep scarlet; exceedingly brilliant	06	55	4 10
FINEST MIXED PARROTS $33.75 per 1,000	05	50	3 65

THE NEW TULIPS on pages 1 and 2 are worthy of your attention. The new Darwins, Afterglow, Bleu Aimable, Chant de Cygne, City of Haarlem, Louise de la Valliere and President Taft, and the new Breeder, James Watt, in particular, represent the utmost in Tulips today.

It will probably be several years before there will be sufficiently large stocks of these Tulips to enable us to offer them at low prices in our general list. In the meantime, we can supply a limited number of extra-select bulbs to those who wish to have the very newest and best sorts in their collections.

Rembrandt Tulip, Victor Hugo

Bybloems and Bizarres

This is an old race of Tulips, supposed to have been derived from the self-colored, old Dutch Breeders. The large flowers, which open at about the same time as the late Darwins, are carried on tall stems and are beautifully formed.

The Bybloems are striped and feathered with rose and violet shades on white ground. *The Bizarres* are feathered brown on yellow ground.

	Doz.	100	1,000
ROSE BYBLOEMS. White marked with crimson, pink, and scarlet	$0 60	$4 55	$42 50
VIOLET BYBLOEMS. White striped with blue, violet, lilac, and purple shades	60	4 55	42 50
BIZARRES. Yellow feathered with brown, in many fascinating variations	60	4 30	40 00

POSTAGE ON ALL TULIPS. If wanted by parcel post, add postage at your zone rate. One dozen bulbs weigh 1 pound; 100 bulbs, 8 pounds. See inside of front cover

New and Rare Daffodils for 1922

Those who are familiar with the present standard varieties of Narcissi will know how difficult it is to improve on them in size, color and form; nevertheless, improved sorts are constantly being introduced and it seems that the end has not yet been reached. The new Daffodils which we offer on this page represent, in our judgment, distinct advances in their respective types. Critical gardeners who want the very best to be represented in their collections will find them indispensable.

The supply of bulbs is limited; order early

No. 1, Bicolor Trumpet Daffodil, *Weardale Perfection;* No. 2, Bicolor Trumpet Daffodil, *Spring Glory;* No. 3, Poetaz Hybrid Narcissus, *Helios;* No. 4, Giant Leedsii Narcissus, *Lord Kitchener.*

SPECIAL COMBINATION OFFER of the four new and rare Narcissi illustrated above

One of each (4 bulbs)	$1 55	Twelve of each (48 bulbs)	$15 20
Three of each (12 bulbs)	4 10	Fifty of each (200 bulbs)	60 00

GLORY OF SASSENHEIM, New Bicolor Trumpet

This might be described as a much enlarged form of the old favorite Bicolor Victoria. The flowers are remarkably large and bold with white perianths and rich golden yellow trumpets. Glory of Sassenheim is a strong grower, splendid for both garden and forcing. 15 cts. each, 35 cts. for 3, $1.10 per doz., $4.00 for 50, $7.75 per 100.

SPRING GLORY, New Bicolor Trumpet Daffodil

See illustration No. 2 to left. Rare grace is combined with unusual size in this splendid new sort. The petals of the perianth are long and substantial, pure white in color, while the trumpet is deep yellow, very long, fluted and flaring at the brim. 20 cts. each, 55 cts. for 3, $2.00 per doz., $7.85 for 50.

WEARDALE PERFECTION, Giant Bicolor Trumpet

See illustration No. 1 to left. Surpassing all others in size and height, and unique in form and color; broad, substantial, snow-white perianth; wide-spreading trumpet of clear primrose. One of the finest. 30 cts. each, 75 cts. for 3, $2.85 per doz., $11.00 for 50.

LADY MARGARET BOSCOWAN, Incomparabilis

A giant-flowered Chalice-Cup Daffodil, which might be described as a bicolored Sir Watkin, with all of the splendid qualities of that old favorite. Broad, deep cup of clear, rich yellow, frilled at the edge; pure white perianth of broad, overlapping petals. 65 cts. each, $1.75 for 3, $6.25 per doz., $24.00 for 50.

LORD KITCHENER, Giant Leedsii Narcissus

See illustration No. 4 to left. One of the largest of the Fragrant Star Class. Snowy perianth of broad, substantial petals; large, pale primrose cup, frilled and ruffled at the brim in most attractive fashion. 75 cts. each, $2.00 for 3, $7.25 per doz., $28.00 for 50.

HELIOS, New Poetaz Hybrid Narcissus

See illustration No. 3 to left. This is one of the newest of the Poetaz Hybrid Narcissi which produce their flowers in clusters. Perianth creamy yellow, cup orange-yellow, beautifully frilled. Can be flowered in pebbles and water like the ordinary "Paper-Whites." 10 cts. each, 90 cts. per doz., $3.50 for 50, $6.75 per 100.

LAURENS KOSTER, New Poetaz Hybrid Narcissus

Produces more flowers to the bulb than any other variety, often ten or more flowers in a single cluster. Perianth white, cup bright yellow. 10 cts. each, 75 cts. per doz., $2.75 for 50, $5.25 per 100.

Poet's Narcissus (*Narcissus poeticus*)

These Narcissi have pure white perianths and dainty, little cups edged with bright colors. They are extremely hardy and the best of all Narcissi for naturalizing.

	Each	Doz.	100	1,000
ALMIRA (King Edward VII). A superior form of Ornatus; forces early and easily; fine for the garden	$0 08	$0 75	$5 60	$52 15
GLORY OF LISSE. An improved form of Poeticus ornatus; extra-large flower; late forcer	07	70	5 10	48 00
ORNATUS. Native of France. Early; pure white cup, margined scarlet; forces very easily. First-size Bulbs	04	35	2 55	23 50
Double-Crown Bulbs	05	50	3 75	35 00
POETICUS (Pheasant's Eye). Pure white perianth, cup edged saffron. First-size Bulbs	04	40	2 95	27 25
Double-Crown Bulbs	06	55	3 95	36 75

Jonquils (*Narcissus odorus and N. Jonquilla*)

Deliciously sweet, bright yellow-flowered varieties. Very easily grown and should be planted in quantity for cutting.

	Each	Doz.	100	1,000
CAMPERNELLE RUGULOSUS. Large rich yellow flowers, borne very freely, and fine for cutting. Single	$0 05	$0 45	$3 40	$31 50
CAMPERNELLE RUGULOSUS PLENUS. A double-flowering form	05	45	3 40	31 50
JONQUILS, DOUBLE-FLOWERED	05	50	3 50	32 50
JONQUILS, SINGLE-FLOWERED	05	45	3 35	31 00

Giant Trumpet Daffodils

Narcissus Pseudo-Narcissus

These are among the most charming of our spring flowers, defying, in their earliness, the rough winds of April to grace our lawns and borders. Plant them in masses or have a few pans in your window-garden, but, by all means, *grow some.*

Daffodils may be treated as advised for hyacinths; they are not particular as to soil and will thrive for a number of years in ordinary soil. They are, with few exceptions, suitable for naturalizing and, while preferring partial shade, will thrive in full sun exposure. They are very desirable for pot culture, three to five bulbs in a 5- or 6-inch pot producing an attractive group. By planting one or more varieties in succession, such a display may be enjoyed throughout the first three months of the year.

If wanted by parcel post, add postage at your zone rate. First-Size Bulbs weigh 2 pounds per dozen; Mammoth Double-Crown Bulbs, 3 pounds per dozen. See inside front cover for zone rates.

Yellow Trumpet Daffodils

Varieties with yellow or primrose trumpets and petals of the same colors.

	Each	Doz.	100	1,000
EMPEROR. Large, rich yellow trumpet; primrose perianth; fine for cutting.				
First-Size Bulbs	$0 06	$0 60	$4 30	$40 00
Mammoth Double-Crown Bulbs	09	90	6 55	61 50
GLORY OF LEIDEN. Trumpet yellow; perianth soft yellow; of largest size and always satisfactory.				
First-Size Bulbs	07	65	4 80	45 00
Mammoth Double-Crown Bulbs	10	95	6 90	65 00
GOLDEN SPUR. Native of the Netherlands. Large-lobed trumpets, rich, deep self-yellow; perianth large and spreading; early.				
First-Size Bulbs	06	60	4 60	42 75
Mammoth Double-Crown Bulbs	09	90	6 80	64 00
GOLDEN SPUR. French-grown; early	Market Price.			

IMPROVED VARIETIES

	Each	Doz.	100
KING ALFRED. Uniform golden yellow; this variety stands unrivaled in size and beauty. Its round, fleshy petals, its immense, elegantly recurved and beautifully fluted trumpet, and its sturdy growth proclaim it the King of Daffodils.			
First-Size Bulbs	$0 12	$1 25	$9 50
Mammoth Double-Crown Bulbs	18	1 80	13 60
OLYMPIA. A splendid variety. Trumpet yellow with perianth of slightly paler shade.			
First-Size Bulbs	21	2 15	16 00
Mammoth Double-Crown Bulbs	34	3 40	25 50
VAN WAVEREN'S GIANT. Of immense size—the largest of all Daffodils. Perianth primrose; bright yellow trumpet.			
First-Size Bulbs	24	2 40	18 00
Mammoth Double-Crown Bulbs	35	3 65	27 25

White Trumpet Daffodils

Silvery white and pale cream-colored varieties.

	Each	Doz.	100
ALBICANS. Long primrose trumpet passing to white, recurved at brim; white perianth; free bloomer; strong grower. First-Size Bulbs	$0 07	$0 70	$5 30
MADAME DE GRAAFF. Perianth white; trumpet pale primrose, passing off white. First-Size Bulbs	07	65	4 75
MRS. THOMPSON. Pure white, with elegant frilled trumpet; free-flowering, on long stems, and early. First-Size Bulbs	08	80	6 10
WM. GOLDRING (Swan's Neck Daffodil). Snow-white perianth, drooping over the long primrose trumpet. First-Size Bulbs	08	75	5 60

Giant Trumpet Daffodils, Glory of Leiden

Bicolor Trumpet Daffodils

The perianth white or light-colored, with yellow trumpet.

	Each	Doz.	100	1,000
EMPRESS. Very large and beautiful white perianth; rich yellow trumpet.				
First-Size Bulbs	$0 06	$0 60	$4 30	$40 00
Mammoth Double-Crown Bulbs	09	90	6 55	61 50
GIANT PRINCEPS. Sulphur perianth and yellow trumpet; long and showy; early and forces finely.				
First-Size Bulbs	05	45	3 45	32 00
Mammoth Double-Crown Bulbs	07	70	5 10	48 00
MRS. WALTER T. WARE. Very free flowering and early; beautiful golden yellow trumpet, well expanded and frilled at the base.				
First-Size Bulbs	06	06	4 50	42 00
VICTORIA. Large, erect flowers; creamy white perianth and rich yellow trumpet; forces easily. The earliest of the Bicolors.				
First-Size Bulbs	06	60	4 30	40 00
Mammoth Double-Crown Bulbs	10	95	6 90	65 00

The new Bicolor Trumpet Daffodils, Glory of Sassenheim, Spring Glory, and Weardale Perfection are described on the opposite page

The Short-Trumpet or Crown Daffodils

Narcissus Leedsii

Narcissus Incomparabilis

These are known as the Chalice-Cup Daffodils and, like all the Short-Trumpet varieties, they possess a certain elegance and airy grace which is not to be found in the Giant-Trumpet class. Most of them naturalize readily and some are excellent for forcing.

	Each	Doz.	100
ARGENT. Creamy white petals, with yellow center. An elegant star-shaped, semi-double flower; early and free-flowering	$0 08	$0 75	$5 55
AUTOCRAT. Broad perianth primrose-yellow; cup golden yellow. Very free-flowering and one of the best for forcing	06	60	4 40
BEAUTY. Large, sulphur-yellow perianth, barred yellow; cup large, margined orange-scarlet; showy and fine; elegant for cutting	06	55	4 20
HOMESPUN. Bright yellow perianth and crown, with broad, over-lapping petals. A flower of good substance and perfect form	14	1 40	10 25
LUCIFER. Large, sulphur-white, loosely formed perianth; cup chrome-yellow, edged bright orange-red	06	60	4 40
RED STAR. Perianth pale primrose; loosely spreading cup, stained brilliant red	08	80	6 00
SIR WATKIN (Giant Welsh Chalice Flower). Largest of the Incomparabilis varieties; fine for forcing; cup yellow; perianth primrose.			
First-Size Bulbs.....$46.25 per 1,000..	07	65	4 95
Double-Crown Bulbs ..$62.50 per 1,000..	09	90	6 65
STELLA SUPERBA. Grand, clear white, spreading petals; yellow cup; excellent for cutting	06	60	4 40
WILL SCARLETT. An outstanding variety, with creamy white perianth and a dazzling orange-scarlet cup, widely expanded and beautifully frilled. Will Scarlett should be in every collection	26	2 60	19 50

If your lawn has become "ragged" during the summer, scratch up the bare spots and sow Beckert's Evergreen Lawn Grass Mixture thickly. See inside of back cover for prices, etc.

Narcissus Barrii

Varieties of the Star Narcissus class. Very useful for pots, cutting, or borders. This class is one of the best for naturalizing in front of shrubbery and will increase from year to year, making in time a very effective colony. Three to five bulbs may be planted in a 5-inch pot.

	Each	Doz.	100
ALBATROSS. Perianth creamy white; cup scarlet. A strong grower and altogether desirable	$0 09	$0 90	$6 65
CONSPICUUS. Large, spreading yellow perianth; fine scarlet cup; strong grower, fine blooming and durable cut-flower variety	05	50	3 85
DOROTHY WEMYSS. Large, white perianth; canary-yellow cup, edged orange-scarlet. A fine variety for cutting	08	75	5 70
FIREBRAND. Creamy white perianth; intense fiery red cup; very distinct	08	80	5 95
RED BEACON. A very brilliant flower with ivory-white perianth and orange-scarlet cup, beautifully frilled and fluted	34	3 40	25 50
SEAGULL. Broad, pure white perianth; pale lemon-yellow cup. Dainty but of good substance; it is excellent for all purposes	07	70	5 15

Narcissus Leedsii

Eucharis-Flowered or Fragrant Star Narcissi, all having white perianths.

	Each	Doz.	100
EVANGELINE. Broad, pure white perianth; large, lemon-yellow cup. Of exquisite form and unusual substance; it is a favorite for cutting	$0 08	$0 80	$6 10
KATHERINE SPURRELL. Broad, sulphury white perianth; canary-yellow cup; a very beautiful flower	06	60	4 60
MRS. LANGTRY. White perianth and white cup; largely used for forcing; free bloomer	05	45	3 35
QUEEN OF THE NORTH. Large, glistening, snowy white perianth; cup primrose-yellow with a narrow edge of creamy white. A conspicuous and beautiful Daffodil	38	3 80	28 50
WHITE LADY. Broad white perianth; dainty cup, shaded soft lemon. Beautifully crinkled. A very pretty flower	07	65	4 80

Sir Watkin Narcissus

Double-Flowered Daffodils

If to be sent by parcel post, add postage at your zone rate. One dozen bulbs of Orange Phœnix, Sulphur Phœnix, and Double-Crown Von Sion weigh 3 pounds; 100 bulbs weigh 22 pounds; one dozen Mammoth Von Sion bulbs weigh 4 pounds.

	Each	Doz.	100	1,000
ORANGE PHŒNIX, or EGGS AND BACON. Sulphur-yellow, crimson center	$0 06	$0 60	$4 70	$44 00
SULPHUR PHŒNIX, or CODLINS AND CREAM. Double white, sulphur center	06	60	4 70	44 00
THE DOUBLE VON SION, or GOLDEN YELLOW DAFFODIL. Fine for the garden and is forced in great quantities for cut-flowers.				
First-Size Bulbs	05	50	3 80	35 50
Double-Crown Bulbs	07	70	5 20	49 00
Mammoth Bulbs	09	90	6 65	62 50

Paper-White Grandiflora Narcissi

Nosegay Daffodils (*Narcissus polyanthus*)

This class is particularly adapted to winter- and early spring-flowering. They are not hardy unless well protected. Like the Chinese Narcissi they may be grown in bowls of water and pebbles or in baskets of sphagnum moss.

If to be sent by parcel post, add postage at your zone rate. One dozen bulbs weigh 2 pounds

	Each	Doz.	100
GRAND SOLEIL D'OR. Early and showy golden perianth; brilliant orange cup. French Bulbs. Extra-Early	$0 20	$2 00	$15 00

PAPER-WHITE GRANDIFLORA

Used in enormous quantities for early cut-flowers. Large heads of fragrant flowers. Readily grown in water or moss; very durable. *Crop short; order early.*

	Each	Doz.	100	1,000
First-Size Bulbs (12 cm. and up)	$0 06	$0 60	$4 65	$43 75
Large Bulbs (13 cm. and up)	08	80	6 20	59 50
Extra-large Bulbs (14 cm. and up)	10	95	7 15	67 40

Chinese Sacred Narcissi

If to be sent by parcel post, add postage at your zone rate. One dozen bulbs weigh 4 pounds

Flowers in clusters very similar to those of the Paper-White Narcissi, but the cups within the petals are yellow. Planted in pots or bowls, in soil or in water with pebbles, they bloom in from four to six weeks. Plant bulbs at intervals of a week up to Christmas. 20 cts. each, $2.00 per doz.

Double Narcissus, Von Sion

Poetaz Hybrid Daffodils

An altogether new race of Narcissi, crosses between Polyanthus and Poeticus ornatus, flowering in clusters; perfectly hardy.

	Each	Doz.	100
ALSACE. Pure white; eye yellow, edged slightly reddish	$0 08	$0 75	$5 70
ELVIRA. Pure white, with yellow cup; most popular	07	70	5 10
KLONDYKE. Yellow, with golden yellow eye.	10	1 00	7 75

Narcissus Poetaz, Elvira

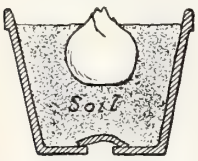
EASY TO GROW BULBS INDOORS

The large demand for bulbs suitable for flowering indoors and the constantly increasing number of requests for cultural information indicate to us a wider appreciation of the flowers themselves, as well as the joy of growing them, and a wider realization of the ease and little cost with which they can be had in constant profusion from Christmas until the opening of the outdoor season in the spring. No elaborate conservatory or professional florist's skill is required to grow flowers indoors. The rules for success, though important, are few, and no conditions are required which cannot be obtained in any home at practically no expense.

First and foremost, it should be borne in mind that Nature has established a certain program for the development of the flower from the bulb. We can, under certain conditions, hasten the development, greatly shortening certain stages, but we cannot change the natural order of events or omit any necessary step. In all of this development, the absolutely essential part is the formation of the root system. Every perfect forcing bulb contains an embryonic flower as well as sufficient plant-food to bring this flower to full size and perfection, but before that plant-food can become of any use to the flower, it must be changed in composition and carried where it is needed by water. The only beneficial way in which this necessary water can be obtained by the bulb is through its natural root system, and the development of that root system is the most important factor in the growing of perfect flowers indoors.

We must, then, first provide the conditions required for proper rootage and these are: (1) darkness, (2) low temperature, (3) enough moisture, and (4) four to fourteen weeks time, depending on the kind of bulb.

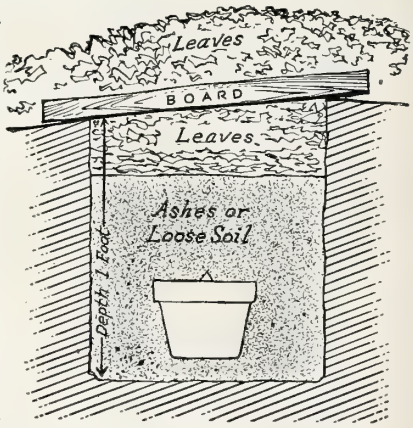
Once the bulbs are well rooted, all that is needed to bring them into bloom is the stimulation of light and warmth. But following Nature's program we must not make the change from dark to light and from cold to heat too abrupt or too great. In the natural course of events, the leaves develop before the flowers, and they develop best at a cooler temperature. Therefore, several days, or even a couple of weeks, should elapse between the time the bulbs are first taken out of the cold and dark and brought into full warmth and sunlight, this time being sufficient to nearly complete leaf-growth. Even after that, too much heat is to be avoided, since a moderate, even temperature will produce finer, larger flowers that will last longer than those grown in excessive warmth.



Cross-section of bulb pot showing hyacinth bulb planted in soil. Note piece of pottery over hole in bottom for drainage.

Growing Bulbs in Soil—Receptacles. All bulbs grow best in a fine, rather light and fairly rich soil. Fine, rich garden loam with a little sand makes an ideal medium in which to grow bulbs. If the proper kind of soil is not readily available, use Holland Bulb Fiber, for which see page 19. Almost any kind of receptacle that allows for necessary drainage may be used. The flower-pots of the style known as azalea- or bulb-pots (see page 32) are designed especially for the larger bulbs, such as Tulips, Hyacinths, and Daffodils. The smaller bulbs, such as Crocuses and Freesias, may be grown in low fern-pans. Before filling with soil or fiber, soak the pots in water for several hours to fill the pores, as they will otherwise absorb an amazing amount of moisture from the soil. This soaking is particularly important with Hyacinths, and in growing them it is advisable to always to use old pots if obtainable.

Planting the Bulbs and Storing. The number of bulbs to plant in pots of a certain size is given in the instructions under each class. When ready to plant, place bits of crock over the holes in the bottom of the pots to permit drainage and fill the pots with soil to within about 2½ inches from the top. Set the bulbs on top of this layer of soil and then fill in so that just the tip of the bulb is left uncovered. If the soil be dry, water enough to make it moist all the way through, but not wet, and then the bulbs are ready to put away to root. For the rooting period, the pots may be stored any place where the requisite conditions of dark and cold obtain. Freezing does no harm, so it is often most convenient to store them outdoors, for which purpose a coldframe may be used, or a trench dug about a foot deep. Set the pots in the bottom of the trench or coldframe, filling in around them with straw, leaves, or loose earth and covering with earth or coal-ashes to a depth of several inches. To make the removal of the pots easy, this covering must be protected by a thick mulch of leaves or manure or by boards to prevent its freezing solid.



Trench for storing potted bulbs outdoors

Cross-section of box for storing potted bulbs in attic or cellar. Cover with boards.

If it is not convenient to store the pots outdoors, they may be kept in the cellar or attic, if these places are cold enough, in covered boxes, setting the pots on a layer of soil in the bottom. Such boxes will require watering every few days, and it is best not to water the pots themselves but to fill the saucers in which they stand, as this will allow the bulbs to take up no more water than they require.

Blooming. For Hyacinths, Single Early Tulips, and forcing Daffodils (such as Von Sion, Golden Spur, Emperor, etc.), ten weeks in the cold and

EASY TO GROW BULBS INDOORS, continued

dark will be time enough for good rootage. Double Early Tulips and other varieties of Narcissi will require two weeks longer. The Darwins and late varieties of Tulips and Crocuses should have about fourteen weeks. Freesias will require only four or five weeks, and they need not be kept in the dark, although some shade is desirable during rootage. Any time after the requisite period for rooting has elapsed, the bulbs may be brought out and forced into flower. The change should be gradual. Take the pots out of the box or trench, give them water, and place them for three or four days in the cellar where they will be in shade and where the temperature will not go much above 50 degrees. After that, remove them to a lighter and warmer place, but avoid direct sunlight, and keep them there for several days until the leaves are well developed and the buds are formed. Water frequently from this time on. Finally bring them into the full light and ordinary room temperature, placing them where they will be safe from drafts. The flowers will open up better and last longer if the temperature does not go above 65 degrees.

Sometimes it is desirable to shift the bulbs into different pots or bowls after they have made their root-growth; this may be done without harm, providing care is taken not to damage the roots and to take up as much soil as possible with them. It is not necessary to bring all the pots out of the box or trench at the same time. For a succession of bloom they may be taken out one or two at a time: an extra three or four weeks in the dark and cold will not injure them in the least. Bulbs wanted for late flowers had better be planted a little later than the first crop, however.

Fertilizers. An excess of fertilizers should be avoided, but moderate use of such pot-plant fertilizer as Stim-U-planT, Bon Arbor, or Bowker's Plant Food will make for more vigorous growth and finer and brighter flowers. Full directions for the use of these handy plant stimulants are given on the containers.

Growing Bulbs in Water. This is the easiest way of growing bulbs indoors, but only a few of the bulbs can be forced in water. These are the Hyacinths, notably the French Roman type, the Chinese Sacred Narcissi, and the Nosegay Narcissi, including the popular Paper-Whites. If extreme care is used, Crocuses and some of the Poetaz Hybrid Narcissi may also be grown in water, but it is safer to stick to the other kinds which are sure to give satisfactory results.

Cross-section of bulb bowl with Paper-white Narcissus in pebbles and water. Note the pieces of charcoal.

Large Hyacinth bulbs are generally grown in the regular Hyacinth Glasses, and directions for their culture are given on page 3. The others are grown in shallow bowls which are filled with clean, white pebbles. The bulbs are then set firmly on the pebbles, and water enough to reach the lower part of the bulbs is added. A few pieces of charcoal in the pebbles will keep the water pure. The procedure from then on is the same as for bulbs grown in soil, except that the bowls should not be placed where the water will freeze and the water should be replenished as often as necessary. Paper-White Narcissi require about four weeks to root in pebbles, the Chinese Sacred Narcissi a little longer, and the Roman Hyacinths about seven weeks. Bring to the light and warmth gradually. Add fresh water every day during the blooming period and protect from changes in temperature as much as possible.

Amaryllis and Other Bulbs. Directions for the culture of Amaryllis and Lily-of-the-Valley, both of which are very easy to grow, are given on page 22. Oxalis bulbs may be brought into flower very quickly by planting immediately upon arrival and giving the same treatment as for Amaryllis. Callas and Lilies require very careful culture with plenty of light, warmth and moisture from the time top growth commences. Complete instructions for raising Lilies will be supplied on request.

Beckert's Window-Garden Collection of Forcing Bulbs

$3.50 POSTPAID

Here is an assortment that will appeal to the experienced window-gardener as well as the beginner—an assortment of bulbs that will fill a home with beauty and fragrance from Christmas until Easter.

- 3 Hyacinths for growing in glasses, our selection.
- 3 First-size Hyacinths for pot-culture, our selection.
- 6 White Roman Hyacinths for growing in pebbles.
- 6 Yellow Single Early Tulips for pots.
- 6 Scarlet Single Early Tulips for pots.
- 6 Pink Double Early Tulips for pots.
- 3 Giant Yellow Trumpet Daffodils for pots.
- 3 Giant Bicolor Trumpet Daffodils for pots.
- 3 Double Von Sion Daffodils for pots.
- 3 Poetaz Hybrid Narcissi for pots.
- 6 Paper-White Narcissi for pebbles and water.
- 6 First-size Purity Freesias for pots.

54 Forcing Bulbs—postpaid for $3.50.

Grow these bulbs as directed above—you will enjoy them all winter—you will find that they make the finest kind of gifts to friends who love flowers—you will get more genuine pleasure out of them than you ever thought was possible for $3.50.

Hyacinth Glasses

Expressly designed for growing Hyacinth bulbs in water. (See page 3.) Tinted in various colors.

	Each	3 for
High Style	$0 35	$1 00
Low Style	35	1 00

Small White Pebbles

For growing Paper-White and Chinese Sacred Narcissus bulbs and French Roman Hyacinths in bowls of water. Qt. 15 cts., 4 qts. 50 cts.

Prepared Holland Bulb Fiber

This fiber is an ideal medium in which to grow bulbs. It is clean and free from odor and contains sufficient plant-food for the bulbs until after they have bloomed. Bulb Fiber is used in the same way as potting soil, except that it should not be packed down firmly in the pots. By using it, bulbs may be grown in any sort of ornamental bowl or receptacle as no drainage is required. Keep the fiber moist, but not sodden or wet. ½pk. 30 cts., pk. 50 cts., ½bu. 85 cts., bu. $1.50. Packed for parcel-post, peck weighs 8 lbs., bushel weighs 26 lbs.

STIM-U-PLANT

A highly concentrated, soluble plant-food in tablet form, convenient to use and wonderfully effective in increasing size and productivity and heightening the color of flowers. For plants in 6-inch pots or smaller, insert half a tablet in the soil every ten days. For bulbs growing in water, a quarter of a tablet is sufficient for the ordinary bowl, dropped in the water at the time the buds are forming. In boxes of 10 tablets 15 cts., 30 tablets 25 cts., 100 tablets 75 cts., 1,000 tablets $3.50.

Standard flower and bulb pots are listed on page 32. A complete assortment of ornamental bulb bowls and fern dishes will be on display in our Pittsburgh store during the fall and winter months.

HARDY LILIES

We especially recommend deep planting, say, from 6 to 8 inches deep; varieties like Speciosums require at least 8 inches, with an ample amount of sand beneath the bulb to insure proper drainage. Cover the beds with leaves or litter during winter. Lilies thrive well in borders, formal gardens, or shrubbery, and usually flower at a time when the shrubbery has ceased blooming. The following varieties have proved to be sorts that may be planted in the fall or, with the exception of *Lilium candidum*, in the spring with excellent results. We often receive orders for *Lilium candidum* for spring delivery. They arrive from France in September, and must be planted by November 1.

Most Lily bulbs, being of late maturity, do not arrive in our country until October and November, which is conceded to be the best time to plant. Where the ground is liable to freeze before late Lilies arrive, it should be mulched with leaves or manure.

Lilies marked with a star (*) will not be ready until the latter part of October or November

If Lily bulbs are to be sent by parcel post, add postage at your zone rate. Bulbs 11x13 and 12x14 inches weigh 8 ounces; 9x10 and 9x11 inches, 6 ounces; 7x9 inches, 4 ounces; all other varieties, 2 ounces.

LILIUM CANDIDUM (Madonna Lily)

Choice Northern-Grown. Arrive in August or September

The favorite Lily of the old-fashioned garden, produces strong, stiff stems, studded with pure, glistening white flowers, that enliven the perennial flower-garden and contrast beautifully with the green shrubbery of June, frequently growing 4½ feet high.

Plant some bulbs during September and October and enjoy a big crop of flowers next June; or pot up, store in coldframe, and force for early winter in the greenhouse or conservatory. Our bulbs of this splendid Lily are grown in northern France, and are of the true thick-petaled variety, which is much superior in habit and flowering qualities to that of the cheap, loose, southern-grown bulbs.

	Each	Doz.	100
Mammoth Bulbs	$0 25	$2 45	$18 00
First-size Bulbs	20	1 95	14 50

Lilium candidum

Lilium auratum

***AURATUM** (Gold-banded Lily). Ivory-white, with central band of yellow and numerous purple spots.

	Each	Doz.	100
9- x 11-in. circumference	$0 40	$4 00	$30 00
11- x 13-in., Mammoth Bulbs	50	5 00	40 00

***AURATUM PICTUM.** Grand pure white, spotted crimson, without the yellow band.

9- x 10-in. circumference	85	8 50	

***AURATUM PLATYPHYLLUM (macranthum).** A giant Lily. Similar in color to Auratum, but much larger and with fewer spots.

	Each	Doz.	100
9- x 10-in. circumference	$0 65	$6 50	$50 00

***SPECIOSUM ALBUM.** Pure white, with green band in the center of each petal; exquisitely dainty and beautiful; very fragrant.

	Each	Doz.	100
9- x 11-in. circumference	$0 40	$4 00	$30 00
11- x 13-in., Mammoth Bulbs	50	5 00	40 00

***SPECIOSUM MAGNIFICUM.** Flowers larger than any of the other Speciosums. Rose, heavily spotted with rich crimson.

	Each	Doz.	100
9- x 11-in. circumference	$0 40	$4 00	$30 00
11- x 13-in., Mammoth Bulbs	50	5 00	40 00

Lilium Regale, the Regal Lily

HARDY LILIES, continued

	Each	Doz.	100
***SPECIOSUM MELPOMENE.** Large, rich carmine flowers, heavily spotted blood-red. 9 x 11-in. circumference	$0 40	$4 00	$30 00
11 x 13-in., Mammoth Bulbs	50	5 00	40 00
SPECIOSUM RUBRUM or ROSEUM. White, shaded with deep rose, and spotted red. Magnificent; free-blooming.			
9- x 11-in. circumference	40	4 00	30 00
11- x 13-in., Mammoth Bulbs	50	5 00	40 00
***BATEMANNIÆ.** Blooms in August and September; very handsome, glowing apricot-red flower	25	2 50	
***CANADENSE.** Lovely, nodding, bell-shaped flowers, yellow, spotted black	20	1 60	12 00
***DAVURICUM.** Attains a height of 2 to 3 feet. Umbels of three to five upright scarlet flowers	20	1 60	12 00
HANSONII. Flowers bright golden yellow, spotted purple, borne in clusters	60	6 00	
***HENRYI.** Large panicles of orange-yellow flowers, banded with green; robust and long-lived	60	6 00	
KRAMERI. Pure blush-pink, fragrant and beautiful trumpet-shaped flowers; 3 feet; blooms in August	25	2 50	
***PARDALINUM** (Leopard Lily). Scarlet, shading to yellow, spotted purple	30	2 55	19 00
***SUPERBUM.** An elegant native variety. Brilliant orange-red, with claret-colored spots, six to twenty flowers on a stem	25	2 15	16 00
***TIGRINUM FL.-PL.** Double orange flowers, spotted black. Mammoth Bulbs	20	2 00	15 00
***TIGRINUM SPLENDENS.** Rich scarlet with dark spots. Mammoth Bulbs	20	2 00	15 00
REGALE (The Regal Lily). Introduced from China. Plant very vigorous. Stems attain a height of 2½ to 4 feet, bearing from three to nine or more large trumpet-shaped white flowers, flushed with yellow internally, and externally shaded with deep brown-pink, which, shining through the petals, gives them a soft, pearly pink gleam. Entirely hardy, easily forced, and is perfect as a pot plant. The most beautiful of all the Lilies	95	9 35	70 00

LILY BULBS FOR INDOOR GROWING

JAPANESE LILIES

For Greenhouse Forcing

We offer two varieties of Japanese Lilies which are largely grown for January to Easter flowering: *L. longiflorum formosum*, which usually arrives in this country late in August, and *L. longiflorum giganteum*, which usually arrives in October or November.

	Each	Doz.	100
LONGIFLORUM FORMOSUM. Black stems; blooms early. Often used instead of the Bermuda as an Easter Lily. Ready in September.			
7- x 9-in. circumference	$0 50	$5 15	$38 75
9- x 10-in. circumference	75	7 35	55 00
10- x 12-in. circumference	95	9 50	71 50
LONGIFLORUM GIGANTEUM. Stems black; later than the preceding; flowers of more substance. Ready in September.			
7- x 9-in. circumference	45	4 70	35 00
9- x 10-in. circumference	75	7 35	55 00
10- x 12-in. circumference	1 00	10 40	78 00
HARRISII (Bermuda Easter Lily). Ready in August. Large, pure white, trumpet-shaped flowers.			
7- x 9-in. circumference	45	4 70	35 00
9- x 11-in. circumference	90	9 00	67 50

Lilium longiflorum

Godfrey Everblooming Calla Lily

AMARYLLIS READY IN OCTOBER

Showy pot plants blooming in late winter and early spring. The bulbs should be planted as soon as possible after arrival—one bulb to a 6-inch pot—in good soil and kept in moderate temperature and light, with little water until the flower-scapes begin to show. Then bring the pots into a warmer location and water freely. A little plant food or liquid manure applied at this time will stimulate growth and enhance the size and color of the flowers. The foliage does not appear until after the blooming period has passed.

Allow 6 ounces per bulb when adding postage

BECKERT'S SUPERB HYBRIDS. A wonderfully brilliant strain produced by crossing various forms of the Hippeastrum type. Vigorous and free-blooming, with immense, lily-like flowers, ranging in color from orange to deep crimson and from white to rose, many striped and variegated. Strong bulbs, $1.00 each, $2.75 for three bulbs, $10.00 per doz.

BELLADONNA MAJOR (The Belladonna Lily). An old favorite; large rose-red flowers; often as many as a dozen blooms on a single stalk. Very fragrant. Strong bulbs, 30 cts. each, $3.00 per doz.

OXALIS

Valuable for winter flowering; elegant for pots and baskets. Six to ten bulbs may be planted in a pot.

All prices postpaid

	Each	Doz.	100
BERMUDA BUTTERCUP. Very good for winter flowering, being free and continuous; pure bright yellow flowers	$0 04	$0 30	$2 25
BOWIEI. Brilliant carmine-rose	04	35	2 50
GRAND DUCHESS. Dwarf; of great beauty. Flowers large and thrown well above foliage. Lavender, Pink, White, and Yellow. Each	04	30	2 15
MIXED VARIETIES		25	1 85

How did your lawn stand the hot weather this summer? Now is a good time to scratch up the bare spots and re-seed it. See inside of back cover for prices and information on lawn seed.

CALLA

One of the most satisfactory and easily grown flowers for pot culture and forcing. The bulbs should be planted in rich soil, with the crown or top protruding just above the surface. They require an abundance of moisture, particularly during their flowering season, but after they have bloomed they should be allowed to dry off and remain dormant for several months. They thrive best in a warm temperature and moist atmosphere, with plenty of light.

If to be sent by parcel post, add postage at your zone rate. One mammoth bulb weighs 4 ounces; one dozen, 3 pounds. First-size bulbs and other Callas weigh 3 ounces each, 2 pounds per dozen.

	Each	Doz.	100
ÆTHIOPICA (Lily-of-the Nile). The old favorite large-flowering Calla Lily. Mammoth Bulbs. 5- to 6-in. cir.	$0 35	$3 35	$24 50
1st size Bulbs. 4- to 5-in. cir.	26	2 55	19 00
2d size Bulbs. 3- to 4-in. cir.	18	1 80	14 50
ELLIOTTIANA (The Golden Calla). A beautiful variety from South Africa, with a broad, trumpet-like tube of a very rich pure yellow; leaves spotted white. Large bulbs	50	4 80	36 00
GODEFROYANA (The Godfrey Everblooming Calla). A stronger grower and more constant bloomer than Æthiopica. The plants are dwarf and compact with dark green foliage and pure white flowers.			
1st size Bulbs. 3-in. cir. and up.	24	2 40	22 00
2d size Bulbs. 2½- to 3-in. cir.	20	2 00	18 50

LILY-OF-THE-VALLEY

For forcing, plant about twelve pips in a 6-inch pot, keeping the crowns above the soil; place in a temperature of about 80 degrees, covering the pots with moss; keep them moist continually. They should flower in three to four weeks from time of planting. Ready in November.

Mailing weight, bundle of 25 pips, 20 ounces

PERFECTION BRAND, Extra-Select, Early-Forcing, Strong Pips. Market variable; write for prices.

COLD-STORAGE PIPS. Write for prices.

LARGE, STRONG CLUMPS. (Mailing weight, 2 pounds per clump.) For planting outdoors. Perfectly hardy; produce a profusion of flowers in spring. Partial shade is necessary. 50 cts. each, $5.00 per doz.

Oxalis, Bermuda Buttercup

IRIS (Fleur-de-Lis)

During May, the Irises rule supreme in the hardy border where they thrive in soil too poor to grow potatoes. They are of the greatest hardiness and easiest culture and should be freely planted. The Irises are the "Flags" of the old-fashioned gardens. They are most effective when used as edging for shrubbery or garden border. The clumps increase in size from year to year producing larger and lovelier flowers each succeeding season.

Mailing weight, 4 ounces each root

Tall Bearded Iris

These are the easiest to grow and most generally satisfactory of all Irises, comprising the best of the *Iris germanica* sorts and many other forms and hybrids. They come in all sorts of attractive colors, and, by planting a proper selection of varieties, may be had in bloom from early May to mid-June. All are perfectly hardy and robust in growth. The best time to plant them out is during late September or October.

	Each	Doz.	100
ARCHEVEQUE. Standards deep velvety violet; falls purplish violet. An early bloomer and one of the finest of the new sorts. 2½ feet	$0 55	$5 50	
CAPRICE. Standards violet-rose; falls reddish purple. 2 feet	20	1 55	$11 30
FLORENTINA ALBA. A grand white variety; early and free-blooming. Large, sweet-scented flowers, white faintly tinged with lilac. 2½ feet	15	1 40	9 75
HER MAJESTY. Standards rose-pink; falls bright crimson. Rare and altogether desirable. 2½ feet	20	1 55	11 30
IRIS KING. A striking novelty with large flowers. Standards clear lemon-yellow; falls satiny brown with a broad border of golden yellow. 3 feet	30	2 60	19 00
LOHENGRIN. The fine, large flowers are a uniform, soft lavender-rose like the Cattleya orchid. 2½ feet.	25	2 15	15 75
LORELEY. Standards sulphur-yellow; falls deep blue, bordered creamy yellow. One of the finest of the new hybrids. 2 feet	15	1 40	9 75
MME. CHEREAU. Exceedingly attractive. Both standards and falls are pure white with a broad, frilled margin of clear, dark blue. 2½ feet	15	1 20	8 25
PALLIDA DALMATICA. Undoubtedly the most desirable Iris for massing or cutting. Clear lavender, the falls being slightly deeper in color than the standards. A strong grower; large, substantial flowers. 3½ feet	20	1 55	11 30
QUAKER LADY. A new Iris of exquisite coloring. Standards smoky lavender with a faint golden sheen; falls ageratum-blue and gold. 2 feet	25	2 15	15 75
RHEIN NIXE. Standards pure white; falls violet, with white edge. Distinct and lovely. 2½ feet	25	2 15	15 75
SHERWIN WRIGHT. The newest and best yellow. Pure, rich golden yellow without shading or markings. A vigorous grower and free bloomer. 2 feet	30	2 95	22 50
STORM CLOUD (Nuee d'Orage). Flowers of the largest size; standards slaty lilac, shaded bronze; falls violet-blue, veined with white and purple at the base. 2½ feet	20	1 85	13 50
WALHALLA. Standards lavender; falls wine-red. Vigorous and an early bloomer. 1½ feet	15	1 40	9 75
WYOMISSING. Standards cream, suffused with rose; falls deep rose at the base, shading to flesh-pink at the edges. One of the most beautiful. 2½ feet	45	4 30	
MIXED TALL BEARDED IRIS. Containing a large number of fine varieties	08	75	5 00

ASSORTMENT. One root of each of the above 15 desirable Tall Bearded Irises for $2.80

Dwarf Iris (Pumila Type)

These are the first to bloom of the hardy Irises, flowering in early May with the tulips. They grow only about 6 inches high and the flowers appear like miniatures of the Tall Bearded Irises, being produced in the greatest profusion. For low borders and edging and for carpet beds they are most satisfactory and attractive, and deserving of more general use.

	Each	Doz.	100
Pumila alba. Pure white	$0 15	$1 40	$10 00
Pumila atroviolacea. Deep purple	15	1 40	10 00
Pumila cærulea. Rich sky-blue	15	1 40	10 00

Tall Bearded Iris

Japanese Iris

Tall and graceful, with large, stately flowers, these are the aristocrats of the Iris family. They require a comparatively rich and moist soil and seem to be most at home along the swampy margins of ponds or streams, although they will thrive and bloom abundantly in any garden if given careful cultivation and plenty of water just before and during the blooming period, which lasts from early June to mid-July. We offer six of the best varieties and, for the convenience of our customers in ordering, have given them numbers which may be used instead of the names. 3 to 3½ feet.

101 **Yomo-no-umi.** A fine, free-flowering, early creamy white. Six petals.
103 **Yoshimo.** Ivory-white, delicately veined with violet. Six petals.
105 **Renjo-no-Toma.** Light gray-violet with white veinings. Six large petals.
106 **Shippo.** Lilac, densely striped with purple. Three petals.
108 **Shuchiukwa.** Purplish crimson with large white veins and center.
109 **Nagano.** Rich violet-purple, shaded with blue. Six broad petals.

Any of the above, large roots, 30 cts. each, $3.00 per doz., $22.75 per 100

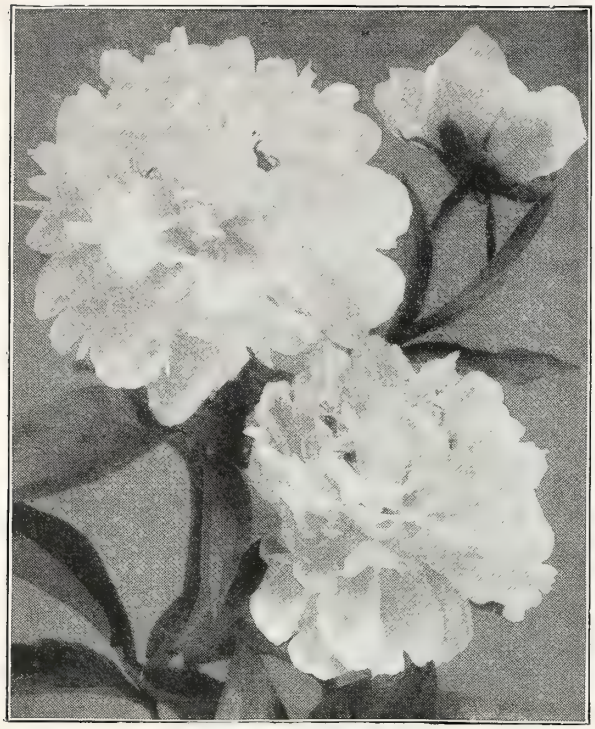
ASSORTMENT. One of each of the six grand Japanese Irises described above for $1.50

Japanese Iris Seedlings. These produce a great variety of single and double flowers in many colors, some of them as fine as the named varieties we offer above. $1.30 per doz., $9.75 per 100.

Siberian Iris

These are summer bloomers like the Japanese Iris, thriving best in fairly rich and well-watered soil. In both flower and foliage they are the most graceful of all the Irises we offer. The leaves are long and narrow, forming attractive clumps from the center of which rise many tall, slender flower-stems. The flowers are clean-cut and dainty, desirable for cutting. In bloom from June to August. 2½ feet.

	Each	Doz.	100
Orientalis. Lovely, clear violet-blue	$0 12	$1 15	$8 00
Snow Queen. Free-flowering; snow-white	12	1 15	8 00



Peony, Festiva Maxima

HARDY PHLOX READY IN OCTOBER

One of the standbys in every "old-fashioned" garden and one of the most reliable and wholly satisfactory of perennial flowers in any soil and under any conditions. The interest in Hardy Phlox has greatly increased with the introduction of improved varieties in recent years. We offer strong plants of six of the best sorts in cultivation. Height 2 to 3 ft.; blooming period June to August. If the plants are cut back as soon as the first crop of flowers has bloomed, they will flower again in early fall.

Mailing weight, 4 ozs. each plant

Bridesmaid. White with distinct carmine-crimson eye.
Miss Lingard. White with faint lilac center; fine, large trusses.
Mrs. Jenkins. Pure, snowy white; early and free-blooming.
R. P. Struthers. Bright rosy carmine with eye of a deeper shade.
Rynstrom. Clear, deep rose-pink. A great favorite.
Thor. Bright salmon with a scarlet suffusion. Brilliant.

Any of the above, 25 cts. each, 65 cts. for 3, $1.15 for 6, $2.10 per dozen.

The assortment, one good strong root of each of the above, for $1.15.

PEONIES READY IN OCTOBER

Those who are fond of Peonies will be delighted with these modern marvels which the skill of the hybridizer has given us. They will thrive in almost any situation, but prefer a sunny spot and medium heavy, but well-drained and fertilized soil. Plant them 3 to 4 feet apart and with the crown of the root 4 or 5 inches below the surface level. Give extra attention to cultivation the first two years after planting and, if you want the finest specimen plants, pinch off all buds which appear before the third season. Plenty of moisture is required during the blooming period. We offer fifteen of the finest standard varieties in cultivation.

Mailing weight, 16 ozs. each root

	Each	Doz.
AVALANCHE. Immense; snowy white, with a few delicate markings of carmine on the center petals. Blooms in mid-season	$0 70	$6 75
COURONNE D'OR. Large, ball-shaped flowers; pure white with golden yellow stamens; free blooming and very fragrant. Late	70	6 75
DORCHESTER. Delicate salmon-pink; fine, sturdy plants, blooming very late; fragrant	60	6 00
DUCHESSE DE NEMOURS. An early bloomer; opens sulphur-white, changing to pure white	45	4 30
EDULIS SUPERBA. Bright, clear pink. The famous "Decoration Day Peony," blooming very early and profusely	55	5 45
FELIX CROUSSE. Uniform, rich ruby-red; large, globular flowers; blooms in late midseason	75	7 50
FESTIVA MAXIMA. The most popular white Peony. Immense flowers of purest white with clear carmine spots. Early	55	5 25
LIVINGSTONE. Lilac-rose with a silvery sheen; large, full blooms; one of the finest late Peonies	65	6 40
MADAME CALOT. Extra-early, vigorous, and extremely free-flowering. Large, double flowers of the rose type, light pink shaded with deeper pink. The most fragrant of all Peonies	55	5 45
MME. DE VERNEVILLE. Very large and full white flowers with a dainty blush suffusion. An early and remarkably profuse bloomer	55	5 45
MEISSONIER, or AMERICAN BEAUTY. Brilliant carmine-crimson, blooming in midseason. Large, well-rounded flowers on strong stems. A favorite for cutting	50	4 80
MODESTE GUERIN. Midseason. Fine, big, globular flowers, deep solferino-pink tinged with carmine. Has a distinct rose perfume	60	5 60
MONS. JULES ELIE. The King of Peonies. Mammoth, double flowers 8 to 9 inches across, in midseason; glossy lilac-pink, shading to deep rose at the center, with a silvery sheen	80	7 70
RUBRA SUPERBA. Magnificent, rich, deep crimson; very large and double. Late	80	7 70
UMBELLATA ROSEA. A strong grower and free bloomer, with large informal flowers, shading from deep rose on the outer petals to amber-white in the center. Very early	65	6 50

Peony Assortments

SIX SELECT PEONIES. One good, strong division each of Couronne d'Or, Dorchester, Edulis Superba, Felix Crousse, Festiva Maxima, and Modeste Guerin, combining early, midseason and late bloomers in a good assortment of colors, for $3.25.

FIFTEEN PEONIES. One strong division of each of the fifteen splendid herbaceous Peonies described above, a complete collection, for $7.65.

MUSHROOM SPAWN

Pure Culture Brick Spawn. Pure and vigorous. Comes in white, cream, light brown and brown. Specify which color is wanted when ordering. One brick will spawn 8 square feet of bed. Mailing weight per brick 1½ pounds. Single brick 30 cts., 5 bricks $1.25, 10 bricks $2.30, 25 bricks $5.60, 50 bricks $10.50. Write for prices on case lots.

Bottle Spawn. Prepared in the laboratories as needed, by the direct method, in sealed quart bottles, insuring extra vigor. One bottle is equivalent to 6 to 8 bricks. Allow two to three weeks for delivery from time order is placed. Shipment by express at purchaser's expense, direct from laboratories. Specify color wanted. Per bottle $1.25; in case lots of one dozen bottles each, $10.00 per case.

Pamphlet on Mushroom Culture free.

Flower Seeds for the Greenhouse

Antirrhinum (Snapdragon) HHP

Now grown as extensively under glass as in the garden. Snapdragons bloom to perfection indoors and require no more care than Geraniums. With only ordinary treatment and temperature, they will flower in from four to six months from the time the seed is sown. About 80 per cent of the seedlings come true to color.

BECKERT'S NEW MAMMOTH SNAPDRAGONS

NOVELTIES FOR 1922

It is difficult to find words to adequately describe the magnificence of these new varieties which far surpass in vigor of growth and size and profusion of blossoms any of the tall, large-flowering strains previously grown. Beckert's New Mammoth varieties represent the highest development yet attained in Antirrhinums. 2½ to 3 ft.

2111 **APPLE BLOSSOM.** Strong stems, bearing masses of big flowers; delicate rosy pink with yellow lip and pure white throat.

2112 **THE ROSE.** Flower of extraordinary size; clear, deep rose-pink.

2118 **WALLFLOWER.** Bronzy orange shading to coppery red at the edges and to clear deep yellow in the tube. Immense.

2119 **COPPER KING.** Bright scarlet with a warm copper sheen.

2122 **LILAC SPRAY.** Flowers of the largest size; lilac-purple with yellow throat.

2123 **PURPLE GLOW.** Glorious, deep rosy purple flowers; enormous spikes.

Each, pkt. 35 cts. (The seed is scarce; sealed packets only)

NEW TALL LARGE-FLOWERING FORCING SNAPDRAGONS

2130 **Philadelphia Pink.** Pure light rose-pink. The result of several years' careful selection and pure-line breeding, and considered to be one of the finest pink Snapdragons in existence. Our seed comes direct from the originator. 2½ to 3 ft. Small pkt. 50 cts., large pkt. $1.00.

2156 **Beckert's Giant Oakledge Favorite.** Salmon-pink; unsurpassed for cutting. Pkt. 35 cts.

2158 **Beckert's Giant Oakledge Queen.** Deep pink with white throat and tube. Pkt. 35 cts.

TALL LARGE-FLOWERING SNAPDRAGONS

These grow to a height of 2 to 2½ feet, with strong stems and well-filled spikes of large flowers. They are the standard varieties for cutting.

2125 **Giant White.** Pure white.

2127 **Giant Silver-Pink.** Clear shell-pink.

2133 **Nelrose.** Coral, white throat.

2135 **Giant Rose.** Deep, rich rose.

2139 **Giant Scarlet.** Vivid scarlet.

2143 **Giant Garnet.** Dark, velvety crimson.

2147 **Giant Yellow.** Golden yellow.

2151 **Giant Striped.** Odd colors.

Each of the above, pkt. 10 cts., ¼oz. 45 cts., oz. $1.60

2153 **Giant Mixed.** All desirable shades. Pkt. 10 cts., ¼oz. 40 cts., oz. $1.50.

Asparagus TP

Graceful plants extensively grown for their dainty, emerald-green foliage, which is used in floral designs and bouquets.

2221 **Plumosus nanus.** The florist's "asparagus fern." Beautiful sprays of fernlike foliage. Pkt. 25 cts., 100 seeds $1.00.

2223 **Sprengeri.** The best variety for pots or baskets and fine for cutting. Pkt. 15 cts., 100 seeds 50 cts.

Calendula (Pot Marigold) HA

Very showy, quick-growing plants of the simplest requirements; easily forced and steadily increasing in popularity as a winter cut-flower. 1½ ft.

2576 **Lemon Queen.** Of brightest sulphur-yellow. One of the most double and always very showy. Forcing strain. Pkt. 10 cts., oz. 40 cts., ¼lb. $1.25.

2578 **Meteor.** Double; creamy yellow, striped with orange. Pkt. 5 cts., oz. 25 cts.

2579 **Nankeen.** Double; very distinct; cream, flushed apricot. Pkt. 10 cts., oz. 35 cts.

2580 **Orange King. Special Forcing Strain.** Fine for cutting; bearing wonderful double flowers of the deepest orange-red. Pkt. 15 cts., ¼oz. 50 cts., oz. $1.65.

2581 **Prince of Orange.** Large, double, yellow flowers, attractively striped with orange-brown, with dark centers. Pkt. 5 cts., oz. 25 cts.

2583 **Trianon** (The Royal Marigold). Lemon-yellow, striped orange, with dark eye. Pkt. 10 cts., oz. 35 cts.

2585 **Double Mixed.** All colors. Pkt. 5 cts., oz. 20 cts.

NEW FORCING CALENDULA

2574 **Ball's Orange.** This special forcing strain of orange Calendula was bred by one of the country's foremost cut-flower growers. Large, extra-double flowers; bright orange. Originator's seed. Pkt. 50 cts., ¼oz. $2.00, oz. $6.00.

Beckert's New Mammoth Snapdragons

Begonia TP

The Begonias are ever popular and not at all difficult to grow although the seed is fine and must be carefully handled. The Semperflorens and Erfordia varieties are excellent for bedding and make nice pot-plants for decorative purposes. The Gracilis varieties bloom later but make particularly fine pot-plants on account of their bushy growth.

2511 **Erfordia.** Handsome dark foliage and rosy carmine flowers. 1 foot high. Pkt. 35 cts.

2512 **Erfordia grandiflora superba.** Compact plants densely covered with delicate pink flowers. Glossy green foliage. Pkt. 25 cts.

2515 **Semperflorens, Salmon Queen.** A most attractive new variety with large, salmon-colored blossoms and dark foliage. Pkt. 25 cts.

2517 **Semperflorens, Vernon.** A grand old favorite, often grown as a Christmas-flowering pot-plant and fine for bedding. Branching habit; dark green foliage, shaded bronzy red; carmine-scarlet flowers. Pkt. 15 cts.

2518 **Semperflorens, Dwarf Vernon.** Forms small, round, compact plants which are literally covered with brilliant red flowers; foliage deep, brownish red. Pkt. 25 cts.

2521 **Gracilis luminosa.** Fiery, dark scarlet flowers; satiny brown foliage; fine for winter flowering. Pkt. 30 cts.

2523 **Gracilis, Prima Donna.** Large, handsome plants covered with bright rose-pink flowers; shining green foliage. Pkt. 50 cts.

2525 **Gracilis, White Pearl.** A fine companion to Prima Donna; flowers pure snowy white; free-blooming. Pkt. 50 cts.

2528 **Beckert's Superb Mixture.** A special blend of all colors in bedding Begonias. Pkt. 25 cts.

Please refer to our General Spring Catalogue for a complete list of the flower and vegetable seeds which we can supply

FLOWER SEEDS FOR THE GREENHOUSE, continued

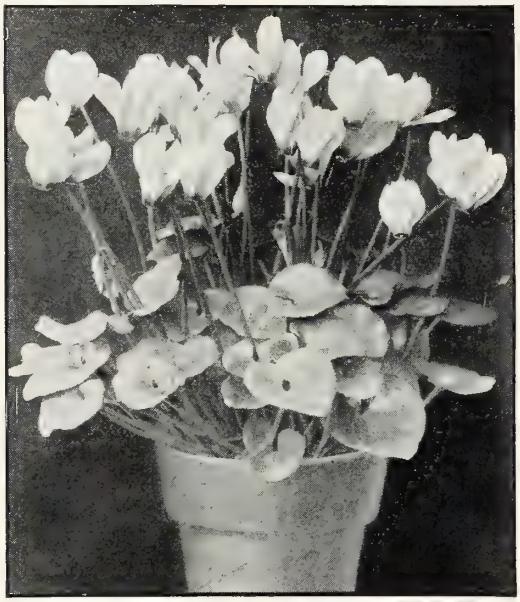
Chrysanthemum

2819 **Frutescens grandiflora** (Marguerite, or Paris Daisy). **GP.** White or lemon-yellow with yellow eye. May be had in bloom the year around but is especially grown for winter flowers. 3 feet. Pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

Cineraria TP

Very distinct and ornamental house plants, bearing magnificent heads of velvety flowers, in white, all shades of blue from very pale to dark blue, pink, carmine, and crimson, with bicolors of crimson and white and blue and white.

2830 **Hybrida grandiflora.** A prize strain; large-flowering and unsurpassed for richness of color. 1½ feet tall. Pkt. 75 cts.
2832 **Hybrida grandiflora, Semi-dwarf.** Plants about 1 foot tall; compact in growth and bearing large, superbly colored flowers in profusion. Pkt. 75 cts.
2834 **Hybrida grandiflora, Matador.** A marvelous, new French variety, bearing large, bright scarlet flowers. Pkt. 75 cts.
2837 **Hybrida stellata** (Star Cineraria). Star-shaped flowers with narrow petals, in many pleasing colors. Highly decorative. 1½ feet high. Pkt. 50 cts.



Giant Cyclamen

Grevillea

3397 **Robusta** (Silk Oak). **TP.** A very handsome pot-plant of upright growth, with graceful, fernlike foliage. Young plants, from 2 to 5 feet high, are much prized as table and window decorations. Culture same as geraniums. Pkt. 10 cts., ¼oz. 35 cts.

Mignonette HA

A general favorite, now extensively grown in greenhouses from seed sown early in the fall. Mignonette prefers a medium light, loamy soil, with only moderate temperature and watering. As it does not transplant well, the seed should be sown in the pots or benches where it is wanted to bloom.

3806 **Defiance.** Long spikes of grayish white florets; one of the best for cutting. Pkt. 10 cts., ¼oz. 30 cts.
3808 **Giant Machet.** An extra-select, mammoth-flowering strain. Florets reddish green. Pkt. 15 cts., ¼oz. 50 cts.
3812 **Giant Crimson, or Goliath.** Large, uniform trusses of deep red flowers; fine for forcing. Pkt. 20 cts., ¼oz. 65 cts.
3814 **Golden Machet.** Massive spikes of golden yellow blossoms. Pkt. 15 cts., ¼oz. 50 cts.
3816 **Giant White Pearl.** Long, broad trusses of white blossoms. The finest white variety. Pkt. 25 cts.
3818 **Giant Mixed.** A fine blend. Pkt. 10 cts., ¼oz. 30 cts.

Cyclamen TP

A favorite pot-plant for winter and spring flowering, blooming in eight to ten months from sowing. The seed is fine and must be carefully handled, but few plants will so well repay a little extra care. Cyclamen blooms freely and for a long period, furnishing the most graceful and dainty of all cut-flowers. Our strains come from famous European Cyclamen breeders and are the finest in existence.

Giant English Exhibition Varieties

2921 **White with Red Eye.** Very large and fine.
2923 **Rose.** Clear, deep rose-pink; distinct.
2925 **Mauve.** Delicate mauve with carmine eye.
2936 **Phœnix.** Cherry-red; very fine.
2940 **Princess May.** Enormous; rose with purple base.
2946 **Salmon King.** Beautiful, clear salmon-pink.
2952 **Vulcan.** The deepest red Cyclamen; blood-red.
2954 **White Swan.** Pure white; of the largest size.

Each, pkt. (25 seeds) 75 cts., 50 seeds $1.35, 100 seeds $2.50

The following are some of the finest of the recent introductions.

2930 **Cherry Ripe.** Almost a pure scarlet; the brightest red in cultivation; very free-flowering.
2932 **Eileen Low.** A lovely shade of Rose Du Barri pink. Its great attraction lies in the distinct white margin and blush-white crest on each petal.
2934 **Mrs. Buckston.** Bright salmon-cerise and beautifully frilled.
2938 **Pink Pearl.** The most free-flowering of all, with lovely pale salmon flowers and prettily tessellated foliage.
2944 **St. George.** The "Silver-leaved Cyclamen." Pale salmon-pink flowers and beautifully marbled foliage.
2948 **Sunset.** Bright orange-salmon; very distinct.
2950 **Victoria.** Glorious red flowers of the largest size, on unusually strong stems.

Each, pkt. $1.00, 50 seeds $1.85, 100 seeds $3.50

2956 **Giant Superb Mixed.** Including all of the best. Pkt. (25 seeds) 60 cts., 50 seeds $1.10, 100 seeds $2.00.
2958 **Bush Hill Pioneer.** A rare type with curiously feathered or crested flowers. Pkt. $1.00, 50 seeds $1.85, 100 seeds $3.50.

Choice Free-Flowering German Strains

2960 **Christmas Red.** Glowing deep red.
2961 **Glory of Wandsbek.** Reddish salmon.
2962 **Pearl of Zehlendorf.** Rich salmon-pink.
2963 **Rose of Marienthal.** Rose-pink with carmine eye.

Each, pkt. (25 seeds) 85 cts., 50 seeds $1.60, 100 seeds $3.00

Schizanthus (Butterfly Flower) HHA

A plant of rare beauty and elegance; ideal for pots or cutting. Buds will open in water and the sprays last for a week. Plants from September-sown seed bloom in February or March. Make succession plantings, using ordinary soil and giving same treatment as for Cineraria.

4536 **Monarch.** The finest large-flowering strain in existence, with a wide range of marvelous colors—from almost pure white through delicate shades of pink to bright rose and crimson, exquisite mauve and lavender tints, and many beautifully blotched and penciled with darker shades, including bronze and chocolate. Pkt. 50 cts.
4534 **Excelsior.** Mammoth flowers with attractive markings on a white, rose, or buff ground-color. Fine for greenhouse culture. Pkt. 40 cts.
4539 **Large-flowered Hybrids.** Dainty flowers in a good variety of colors; easy to grow. Pkt. 15 cts.

Giant Winter-Flowering Stocks HHA

The Giant Winter-flowering or Nice Stocks are splendid subjects for greenhouse or pot-culture, producing their large, fragrant blossoms even more abundantly indoors than in the garden. They grow vigorously and rapidly, flowering in three to four months from fall-sown seed.

4632 **Mont Blanc.** Snowy white.
4633 **Monte Carlo.** Clear canary yellow.
4634 **Almond Blossom.** White, suffused carmine.
4636 **Beauty of Nice.** Exquisite shell-pink.
4638 **Abundance.** Brilliant carmine-rose.
44641 **Queen Alexandra.** Clear rosy lilac.
4643 **Cote d'Azure.** Light violet-blue.
4645 **Summer Night.** Deep violet.

Each, pkt. 15 cts., ⅛oz. 75 cts., ¼oz. $1.35, oz. $5.00

FLOWER SEEDS FOR THE GREENHOUSE, continued

Beckert's Winter-Flowering Spencer Sweet Peas

This recently developed class of Spencers is now grown almost exclusively by florists for winter bloom and is also useful for outdoor planting in the fall. The varieties we offer have been carefully selected from the finest sorts introduced to date. The flowers are large and gracefully waved, generally produced in threes and fours on long, stiff stems.

	Pkt.	½oz.	Oz.
4904 **Snowflake.** The most dependable pure white. White-seeded	$0 15	$0 55	$1 00
4909 **Mrs. Spanolin.** Large, black-seeded white	15	50	90
4915 **Songbird.** Dainty blush-pink	10	40	75
4918 **Spring Maid.** Rose-pink on cream ground	10	40	75
4923 **Mrs. A. A. Skaach.** Clear, lively shell-pink	15	50	90
4926 **Melody.** Light rose-pink	10	40	75
4932 **Rose Queen.** Glorious, deep rose-pink. Extra-fine	20	65	1 25
4935 **Rose Charm.** New. Bright carmine-rose	25	80	1 50
4949 **Mrs. Kerr.** New. The best rich salmon	25	1 10	2 00
4954 **Morning Star.** Standard orange; wings rosy	10	45	80
4958 **Illumination.** Glowing salmon-cerise. Fine	15	55	1 00
4961 **Fire King.** Dazzling cerise-scarlet	15	55	1 00
4968 **Aviator.** Bright crimson. The best red	10	45	80
4973 **Lavender King.** Clear, deep lavender	15	50	90
4977 **Blue Bird.** The finest pure mid-blue	15	50	90
4979 **Heatherbell.** Rich mauve; extra-large	10	40	75
4984 **Yarrawa.** Deep rose and cream. A favorite	10	40	75
4986 **Columbia.** The best strain of "pink and white"	15	55	1 00
4995 **Finest Mixed.** ¼lb. $1.60, lb. $6.00	10	30	50

Hedge Plants

Ready for delivery September 15 to October 15. Plant out as soon as received. Hedge plants should be set close together in a single row for best results. Set about 4 inches apart for a low hedge; 8 to 10 inches apart for a high hedge; and 1½ to 2 feet apart for specimen bushes. Prune back top and roots before planting.

California Privet (*Ligustrum ovalifolium*)

This popular hedge plant thrives everywhere except in very dry or very shady spots. It is a rapid, vigorous grower requiring and benefiting by frequent trimming. The glossy dark green leaves remain on until midwinter and new leaves appear very early in the spring so that Privet is almost an evergreen. It can be pruned into any shape desired and may be kept as low as 12 inches or grown as high as 10 feet.

In very severe winters it will sometimes freeze down to the ground, coming up again from the roots the following season. To guard against damage from heavy snows in winter, it is best to trim Privet hedges to a pointed or rounded top which will shed the snow and, incidentally, allow a greater amount of sunlight to reach the lower branches.

We offer strong, well-grown stock in the following sizes.

	25	50	100
12 to 18 inches	$1 50	$2 85	$5 35
18 to 24 inches	2 00	3 80	7 15
2 to 3 feet	2 80	5 30	10 00
2 to 3 feet, extra heavy	3 75	7 10	13 50
3 to 4 feet, extra heavy	5 45	10 30	19 75

Japanese Barberry (*Berberis Thunbergii*)

Where a dense barrier or hedge 4 to 5 feet high is desired there is nothing better than Japanese Barberry. It is perfectly hardy, even in the most rigorous climate, and will thrive on comparatively poor soil and in partial shade. It does not grow as rapidly as the Privet but makes vigorous, bushy plants with neat foliage which turns bronzy red in the fall, and bright red berries that remain on the plants all winter. Pruning is not necessary or desirable. Give plenty of water until the plants are well established.

	25	50	100
12 to 18 inches	$6 75	$12 50	$23 50
18 to 24 inches	10 50	19 50	36 75
2 to 2½ feet	13 35	24 75	46 65

NOTE.—The above prices are for shipment by express at customer's expense. We make no charge for boxing or packing.

Plant hardy Daffodils along the hedge and borders. Consult pages 14–17

Pot-Grown Strawberry Plants

Strawberries are so easy to grow and bring such bountiful returns with any care at all, that space can generally be found for them in even the smallest garden. Providing pot-grown stock is used, Strawberries may be set out any time before the end of September.

If possible, choose a well-drained soil in either a sunny or partly shaded spot. If it is necessary to plant on a light or sandy soil, add plenty of manure to hold moisture. Spade up the soil to a depth of a foot, digging in sod and manure, and set the plants about 2 feet apart in rows 4 feet apart. If there is room, plant three different varieties of spring-bearing Strawberries, choosing those which bear in succession, and plant at least a few of an Everbearing variety for the fall crop. Order Strawberry plants as soon as you receive this catalogue. They are taken up only as required to fill orders.

Spring-Bearing Varieties

	Doz.	50	100
EXTRA-EARLY			
Premier. Very productive	$1 00	$3 50	$6 00
Success. High quality	1 00	3 50	6 00
MEDIUM EARLY			
Early Jersey Giant. Large; high yield	1 25	4 50	8 00
Senator Dunlap. The most popular of all	1 00	3 50	6 00
MIDSEASON			
Big Joe. A berry that succeeds everywhere	1 00	3 50	6 00
Brandywine. Old favorite; requires rich soil	1 00	3 50	6 00
Bushel Basket. Berries of giant size	1 35	4 75	8 50
Marshall. A popular, high-quality variety	1 20	4 00	7 00
LATE			
Chesapeake. An excellent berry but requires high culture	1 25	4 50	8 00
Gandy. Quality only fair but very prolific	1 00	3 50	6 00
William Belt. An all-season berry; delicious	1 00	3 50	6 00

Everbearing Varieties

These bear two crops a year, one in June and another in the fall.

		50	100
Progressive. Prolific; berries small but of finest quality	$1 45	$5 00	$9 00
Superb. Very attractive fruit; popular	1 45	5 00	9 00

Order Strawberry Plants not later than September 15

Vegetables for the Greenhouse and Fall Garden

Witloof Chicory Roots, for Forcing

Witloof Chicory or French Endive makes a delicious winter salad. Plant the roots in a trench 16 to 18 inches deep in a dark, warm cellar or under a greenhouse bench, placing them upright 1½ to 2 inches apart, the crown coming about 9 inches below the top level of the trench. Fill with light soil, and mulch with a thick layer of fresh manure if a very quick growth is desired. It requires about one month to force the roots. **Prices on application.**

Corn Salad

Sow thickly in shallow drills in September.

Large-Seeded. Pkt. 10 cts., oz. 15 cts., ¼lb. 40 cts., lb. $1.25.

Cress

Make frequent sowings in the greenhouse for winter salad.

Extra-Curled, or Pepper Grass. Oz. pkt. 10 cts., ¼lb. 25 cts., lb. 75 cts.

Cucumbers for the Greenhouse

Davis Perfect. The well-known variety. Extra-fine stock. Pkt. 10 cts., oz. 20 cts., ¼lb. 55 cts., lb. $1.85.

Forcing White Spine. A select strain for growing under glass. Pkt. 20 cts., oz. 85 cts.

ENGLISH FRAME VARIETIES

Improved Telegraph, Lockie's Perfection, and **Worthing Favorite.** Each, pkt. of 10 seeds 25 cts., 25 seeds 50 cts., 100 seeds $1.75.

Lettuce. Forcing Varieties

Grand Rapids Forcing. The leading variety. Loose-leaf type. Our stock is extra choice. Pkt. 10 cts., oz. 20 cts., ¼lb. 60 cts.

Black-seeded Simpson. Popular leaf Lettuce. Pkt. 10 cts., oz. 20 cts., ¼lb. 55 cts., lb. $1.85.

Big Boston. Heading variety. Much used for forcing in the North and for fall planting outdoors in the South. Pkt. 10 cts., oz. 20 cts., ¼lb. 60 cts., lb. $2.00.

May King. Medium-sized heads. Fine for forcing. Pkt. 10 cts., oz. 20 cts., ¼lb. 60 cts., lb. $2.00.

Allheart. A select strain of Tennisball forcing Lettuce. Pkt. 10 cts., oz. 20 cts., ¼lb. 60 cts., lb. $2.00.

Mustard

Sow in greenhouse for winter salad.

Thick-Leaf, or Elephant Ear. Extra-large, smooth leaves. Oz. pkt. 10 cts., ¼lb. 25 cts., lb. 65 cts.

Improved Ostrich Plume. Beautifully curled and fringed. Oz. pkt. 10 cts., ¼lb. 25 cts., lb. 75 cts.

White London. Grown for both leaves and seed. Oz. pkt. 10 cts., ¼lb. 25 cts., lb. 65 cts.

Winter Onion Sets

Egyptian, or Perennial Tree. For early green onions. (Bushel weighs about 32 lbs.) Lb. 10 cts., 10 lbs. 80 cts., 50 lbs. $3.50.

Radishes

Saxa, or Rapid Red. Small, globe-shaped, bright scarlet, short-topped. The earliest forcing Radish. Pkt. 10 cts., oz. 20 cts., ¼lb. 55 cts., lb. $1.85.

Non Plus Ultra, Fireball, or Scarlet Button. An improved strain of extra-early scarlet turnip-shaped Radish for forcing and outdoors. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. $1.65.

Early Scarlet Globe. The favorite round, red forcing Radish. Exceptionally fine stock. Pkt. 10 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.50.

Crimson Giant Forcing. Large, globe-shaped roots. Pkt. 10 cts., oz. 15 cts., ¼lb. 40 cts., lb. $1.25.

Rosy Gem. Early forcing strain of white-tipped scarlet turnip Radish. Pkt. 10 cts., oz. 15 cts., ¼lb. 40 cts., lb. $1.25.

White Box. Large, spherical roots with smooth white skin. Pkt. 10 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.00.

Scarlet Olive-Shaped, or Scarlet Rocket. Bright scarlet; quick growing. Pkt. 10 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.15.

White Olive-Shaped, or White Rocket. Pure white; short-topped. Pkt. 10 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.50.

Icicle, or Pearl Forcing. Popular long white Radish. Pkt. 10 cts., oz. 15 cts., ¼lb. 40 cts., lb. $1.25.

Cincinnati Market. Bright scarlet, tipped white; short top. Pkt. 10 cts., oz. 15 cts., ¼lb. 40 cts., lb. $1.25.

Spinach

Spinach may be sown outdoors as late as October 1.

Norfolk Savoy. Most widely planted fall Spinach. Oz. pkt. 10 cts., ¼lb. 25 cts., lb. 60 cts.

Giant Thick-Leaf. Quick growing, hardy variety. Oz. pkt. 10 cts., ¼lb. 25 cts., lb. 60 cts.

Victoria. Best quality; unsurpassed for fall planting in the home garden. Oz. pkt. 10 cts., ¼lb. 25 cts., lb. 60 cts.

New Zealand Spinach. Becoming very popular for greenhouse culture. Pkt. 10 cts., oz. 15 cts., ¼lb. 40 cts., lb. $1.35.

Tomatoes for Forcing

The following standard sorts are widely grown in the greenhouse.

Bonny Best. Pkt. 10 cts., ½oz. 25 cts., oz. 40 cts.
Manyfold. Pkt. 10 cts., ½oz. 30 cts., oz. 50 cts.
Chalk's Jewel. Pkt. 10 cts., ½oz. 25 cts., oz. 40 cts.
John Baer. Pkt. 10 cts., ½oz. 25 cts., oz. 40 cts.
Early Detroit. Pkt. 10 cts., ½oz. 25 cts., oz. 40 cts.
Globe. Pkt. 10 cts., ½oz. 25 cts., oz. 45 cts.

ENGLISH FORCING STRAINS

Comet, Carter's Sunrise, Lister's Prolific, and **Stirling Castle.** Each, pkt. 15 cts., ½oz. 35 cts., oz. 65 cts.

HIGHEST-GRADE GRASS AND CLOVER SEEDS

We handle one grade or brand of seeds—the very best of the crop obtainable

Prices on Grass and Clover Seed fluctuate. When ready to buy, write for special quotations

Creeping Bent. True South German Bent. For fine lawns and golf greens.

Crested Dog's-tail. For lawns. Thrives in partial shade.

Kentucky Blue Grass (*Poa pratensis*). The well-known, standard lawn and pasture grass, thriving everywhere except on sour soils. Our seed is extra fancy, free from chaff. Sow (if alone) 40 pounds to the acre.

Meadow Fescue (*Festuca pratensis*). One of the most nutritious and durable pasture grasses.

Red Fescue, Chewing's (*Festuca rubra*). New Zealand grown. An excellent turf grass, thriving on even the sandiest soils and in shady situations.

Red Top, Fancy (*Agrostis vulgaris*). A valuable all-around grass for hay, pasture, and lawn. One of the few grasses that thrive on damp, sour lands.

English Rye Grass (*Lolium perenne*). A quick-growing pasture grass for all but very dry localities. Sow (if alone) 50 to 60 pounds to the acre.

English Rye Grass. Pacey's Strain. Shorter-grained and said to be more hardy than the ordinary English Rye.

Italian Rye Grass (*Lolium italicum*). A quick-growing annual grass, useful in pasture mixtures to assist the other grasses during the first year.

Timothy (*Phleum pratense*). The great hay grass. Often sown with Red Clover at the rate of 8 to 10 pounds of Timothy and 3 to 4 pounds of clover per acre. Bushel weighs 45 lbs.

Wood Meadow Grass (*Poa nemoralis*). A very desirable turf grass for shady spots.

Red Medium Clover (*Trifolium pratense*). The most widely used of the clovers. It makes two good crops of hay a year and, at the same time, enriches the soil with nitrogen. Sow (if alone) at the rate of 10 to 15 pounds to the acre.

Mammoth Red Clover (*Trifolium pratense perenne*). Also known as Pea Vine Clover. Grows larger and is claimed to be hardier than the Red Medium.

Alsike or Swedish Clover (*Trifolium hybridum*). For hay or pasture. Hardy and thrives on damp land. Sow 10 to 15 pounds per acre.

Alfalfa, or Lucerne (*Medicago sativa*). The most valuable hay and forage crop and unequaled as a soil enricher. Will last for years on well-drained land. Broadcast at the rate of 25 to 35 pounds per acre. Highest grade, northwestern grown.

White Dutch Clover (*Trifolium repens*). The best variety for lawns. It forms a low, dense turf and smothers out weeds. Sow 8 pounds to the acre alone, or 4 pounds when used with other grasses.

INSECTICIDES AND FUNGICIDES

Fluids and poisons are not mailable. All prices on Insecticides and Fungicides are subject to change without notice.

Ant Destroyer. For exterminating red and black ants. ¼lb. 20c., ½lb. 35c., lb. 65c.

Aphine. Destroys aphis, thrip, red spider, etc., in greenhouse and outdoors. ¼pt. 25 cts., ½pt. 40 cts., pt. 65 cts., qt. $1.00, gal. $3.00.

Aphis Punk. A special preparation of nicotine for controlling green and black fly, thrip, etc., in greenhouses and conservatories. Box of 12 sheets, 85 cts., 12 boxes (144 sheets) $9.50.

Arsenate of Lead Paste. Very effective for combating all leaf-eating insects. Lb. 40 cts., 5 lbs. $1.65, 10 lbs. $2.50, 25 lbs. $5.50.

Arsenate of Lead, Powdered. One pound to 50 gallons of water. Instantly soluble. Lb. 55 cts., 5 lbs. $2.20, 10 lbs. $3.50.

Black-Leaf 40. The standard nicotine insecticide against plant lice. Oz. 35 cts., ½lb. $1.25, 2 lbs. $3.50, 10 lbs. $13.50.

Bordeaux Dry. One pound to 5 gallons of liquid. Full directions on package. Lb. 55 cts., 5 lbs. $2.50, 10 lbs. $4.00.

Bordeaux Paste. A most convenient preparation. Lb. 35 cts., 5 lbs. $1.50, 10 lbs. $2.75.

Bug Death. A fungicide, insecticide, and plant-food combined. Apply with duster or powder gun. Lb. 20 cts., 3-lb. pkg. 50 cts., 5-lb. pkg. 75 cts., 12½lb. pkg. $1.40, 100 lbs. $8.75.

Fungine. Destroys mildew, rust and other fungi. ½pt. 40 cts., pt. 65 cts., qt. $1.00, gal. $3.00.

Grape Dust. For mildew, mold, and rust. 5 lbs. 85 cts., 10 lbs. $1.65, 25 lbs. $3.75.

Kerosene Emulsion, Liquid. For scale, plant lice, and aphis. Qt. 65 cts., gal. $1.60, 5 gals. $6.25.

Lemon Oil. Destroys mealy bug, brown and white scale, thrip, etc. ½pt. 40 cts., pt. 65 cts., qt. $1.10, ½gal. $1.85, gal. $3.10.

Lime-Sulphur, Powdered. A form of concentrated Lime-Sulphur which will readily mix with cold water to make fresh liquid Lime-Sulphur for use as a dormant spray. Twenty to 25 pounds of the powder will make 50 gallons of liquid of 32 per cent Baumé strength, ready for spraying. Lb. 40 cts., 5 lbs. $1.75, 10 lbs. $3.00, 25 lbs. $5.50, 100 lbs. $17.00.

Nicofume Liquid. For spraying and vaporizing. ¼lb. 75 cts., lb. $2.25, 4 lbs. $8.00, 8 lbs. $15.00.

Nico-Fume. For fumigating. Strips of paper strongly saturated with nicotine. Can, 24 sheets $1.25, 144 sheets $5.50, 288 sheets $10.

Nicotine Fumigator, Hall's. Lb. $1.25, 2½ lbs. $2.50, 10 lbs. $8.50.

Nikoteen. A very effective nicotine preparation for spraying. Two and one-half teaspoonfuls to one gallon of water is the proper spraying solution. Oz. 25c., 1¾oz. 40 cts., ½lb. $1.15, lb. $2.15, 4 lbs. (30 per cent solution) $7.00, 8 lbs. (30 per cent solution) $13.50, 4 lbs. (40 per cent solution) $8.50, 8 lbs. (40 per cent solution) $15.50.

Pruning Compound. Qt. $1.20, gal. $3.00.

Pyrox, Bowker's. For controlling chewing insects and fungous diseases on vegetables, flowers, and fruits. Lb. 45 cts., 5 lbs. $1.90, 10 lbs. $3.25, 25 lbs. $7.00.

Scalecide. Qt. 60 cts., gal. $1.45, 5 gals. $6.45, 50-gal. bbl. $39.50.

Scale Destroyer. Possesses many advantages over other "oil-sprays." It does not burn the eyes or corrode the spray apparatus. Qt. 60 cts., gal. $1.50, 5 gals. $6.50, 30-gal. bbl. $26.00, 50-gal. bbl. $38.00.

Slug-Shot. Destroys potato and other bugs. Use with powder gun or bellows. Lb. 20 cts., 5 lbs. 60 cts., 10 lbs. $1.10, 25 lbs. $2.50.

Soap, Getz-There. Gal. $1.50, 5 gals. $6.75.

Soap, Tobacco, Sulpho. Kills all insect life. 3 oz. pkg. 15 cts., 8 oz. pkg. 35 cts., lb. 60 cts.

Soap, Fish-Oil. Destroys insects on plants, trees, etc. Lb. 25 cts., 5-lb. can $1.00.

Sulphur. For mildew on plants, etc. Lb. 10 cts., 5 lbs. 45 cts., 25 lbs. $1.25, 100 lbs. $4.00.

Tobacco Dust, Coarse. Lb. 15 cts., 5 lbs. 40 cts., 25 lbs. $1.80, 100 lbs. $6.50.

Tobacco Dust, Fine. Lb. 10 cts., 5 lbs. 30 cts., 25 lbs. $1.00, 100 lbs. $3.00.

Tobacco Stems (Fresh). In bales of 250 to 300 pounds at $1.25 per 100 lbs., 2,000 lbs. $23.00.

Tree Tangle-Foot. Protects trees from canker worms, cutworms, etc. Lb. 55 cts., 5 lbs. $2.25, 10 lbs. $4.25, 20 lbs. $8.20.

Weed Exterminator, Herbicide. Will kill grass and weeds of any kind. Qt. 60 cts., ½gal. $1.00, gal. $1.75, 5 gals. $7.50, 10 gals. $13.50, 50 gals. $45.00.

X-L-All. Kills mealy bug, red spider, and all insect pests. Pt. $1.10, qt. $2.00, ½gal. $3.00, gal. $5.50.

FERTILIZERS

All prices on Fertilizers are subject to change without notice. Fertilizers are sold for cash only

Acid Phosphate. 100 lbs. $1.70, 500 lbs. $8.00, 1,000 lbs. $15.00, 2,000 lbs. $28.00.

Ashes, Unleached Hardwood. Acts as stimulant and supplies natural plant-food, permanently enriching the soil. Apply in fall or early in spring, 1,500 to 2,000 pounds to the acre. Not sold in less quantity than a barrel. Weight of barrels varies. 100 lbs. $1.80, 500 lbs. $8.50, 1,000 lbs. $16.60, 2,000 lbs. $31.90.

Bon Arbor. A universal plant food in highly concentrated soluble form. 8-oz. can 30 cts., lb. can 50 cts., 5-lb. can $2.00.

Bone Meal Flour, Pure Raw. Ground as fine as dust; acts quickly and is fine for florists' use. 100 lbs. $3.45, 500 lbs. $16.35, 1,000 lbs. $31.85, 2,000 lbs. $61.25.

Bone Meal, Pure Raw, No. 1. Highest grade. Contains nothing but pure raw animal bone. Vastly superior to steamed bone. Ammonia 4½ to 6 per cent; phosphoric acid, 22 to 24 per cent, equal to bone phosphate 48 to 52 per cent. 5 lbs. 30 cts., 10 lbs. 50 cts., 50 lbs. $1.65, 100 lbs. $2.90, 500 lbs. $13.70, 1,000 lbs. $26.65, 2,000 lbs. $51.25.

Bone Meal, Pure Raw, No. 2. Darker in color and coarser than the preceding, slightly richer in ammonia and almost as rich in phosphoric acid. 100 lbs. $2.60, 500 lbs. $12.35, 1,000 lbs. $24.05, 2,000 lbs. $46.25.

Bone and Meat, Pure. 100 lbs. $2.20, 500 lbs. $10.35, 1,000 lbs. $20.15, 2,000 lbs. $38.75.

Bowker's Plant Food. For house plants. Small size. 1 pkg. 20 cts., 3 pkgs. 50 cts. Large size. 1 pkg. 30 cts., 3 pkgs. 85 cts.

Charcoal, Fine. Lb. 10 cts., 25 lbs. $2.00, 50 lbs. $3.75, 100 lbs. $6.75.

Coarse. Lb. 10 cts., 25 lbs. $2.00, 50 lbs. $3.75, 100 lbs. $6.75.

Clay's Fertilizer. The most widely used complete fertilizer imported from England. 7 lbs. $1.20, 14 lbs. $2.20, 28 lbs. $3.50, 56 lbs. $6.50, 112 lbs. $11.50.

Cocoa Fiber. Stimulates a strong, fibrous growth. 10 lbs. 55 cts., 25 lbs. $1.20, 50 lbs. $2.00, 100 lbs. $3.40.

Guano Fertilizer. 100 lbs. $2.20, 500 lbs. $10.35, 1,000 lbs. $20.15, 2,000 lbs. $38.75.

Horn Shavings. A fertilizer specially adapted for roses, chrysanthemums, etc. 1 lb. 20 cts., 5 lbs. 75 cts., 10 lbs. $1.25, 25 lbs. $2.50, 100 lbs. $8.00.

Humus, Prepared. An all-around soil-builder and fertility producer, particularly desirable for lawns. Also used for mixing with potting soil. To renovate an old lawn, top-dress with Humus at the rate of 5 tons to the acre. 10 lbs. 35 cts., 25 lbs. 75 cts., 50 lbs. $1.25, 100 lbs. $1.80, 500 lbs. $8.45, 1,000 lbs. $16.50, 2,000 lbs. $31.75.

Keystone Fertilizer. This famous brand is made from bone and tankage, treated with acid. The proportion of ammonia, soluble available and insoluble phosphoric acid so arranged that it is both quick and lasting. It is especially adapted for use in the drill for wheat, rye, oats, and buckwheat, and will put soil in good condition for grass. There is no free acid, thus insuring the fertilizer drilling perfectly. 100 lbs. $2.40, 500 lbs. $11.35, 1,000 lbs. $22.10, 2,000 lbs. $42.50.

Lawn and Garden Fertilizer. It can be used to good advantage on lawns, trees, shrubberies, pot-plants, flowers, and vegetables. 5 lbs. 30 cts., 10 lbs. 50 cts., 50 lbs. $1.75, 100 lbs. $2.80, 500 lbs. $13.35, 1,000 lbs. $26.00, 2,000 lbs. $50.00.

Leaf-Mold. For mixing with potting soil. 2-bu. sack, $1.70.

Sheep Manure. 5 lbs. 30 cts., 10 lbs. 50 cts., 25 lbs. 85 cts., 50 lbs. $1.45, 100 lbs. $2.30, 500 lbs. $10.90, 1,000 lbs. $21.20, 2,000 lbs. $40.75.

Shredded Cattle Manure. 100 lbs. $2.10, 500 lbs. $9.90, 1,000 lbs. $19.25, 2,000 lbs. $37.00.

Nitrate of Soda. 1 lb. 15 cts., 5 lbs. 50 cts., 10 lbs. 85 cts., 25 lbs. $1.65, 50 lbs. $2.85, 100 lbs. $4.75.

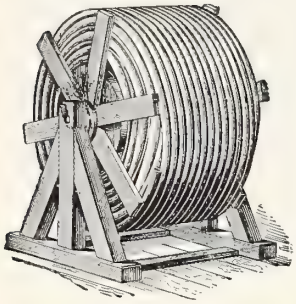
Peat, Orchid, Fibrous. For orchids. 3-bu. sack $2.50.

Peat, Jersey. For mixing with potting soil. 2-bu. sack $1.75.

Sulphate of Ammonia. 100 lbs. $5.10, 500 lbs. $24.25, 1,000 lbs. $47.30, 2,000 lbs. $91.00.

TOOLS, SPRAYERS, ETC.

We handle a very complete line of tools and supplies for garden and greenhouse. For the full list please refer to our General Catalogue.



HOSE

Beckert's Brand. This is a high-grade Rubber Hose made especially for us. As we buy in large quantities, we are in a position to give exceptional value. ½-inch (with couplings), $8.50 for 50 feet. ¾-inch (with couplings), $9.75 for 50 feet.

Spray Hose. ½-inch, 15 cts. per ft. ⅜-inch, 14 cts. per ft.

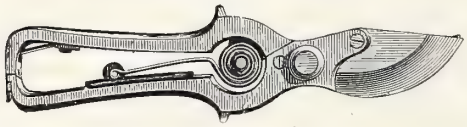
Electric Two-braid Garden. ½-in., 50-ft. lengths (with couplings) $10.50; ¾-inch, 50-ft. lengths (with couplings) $11.75.

SIEVES

Wooden rim; galvanized wire mesh; 18-inch diameter.

	Each		Each
No. 2. ½-in. mesh.	$1 75	**No. 6.** ⅙-in. mesh	$1 75
No. 4. ¼-in. mesh.	1 75	**No. 8.** ⅛-in. mesh	1 75

PRUNING SHEARS



	Each
French Pruning, Wheel-spring. 8-inch	$1 85
8½-inch	2 00
9-inch	2 25

WATERING-CANS

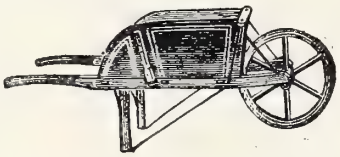
Heavy galvanized iron, with one coarse and one fine spray. Extra sprays, 50 cts. each.

	Each		Each
4-qt	$3 25	10-qt	$4 00
6-qt	3 50	12-qt	4 45
8-qt	3 75	4-qt. Low	2 45

WHEELBARROWS

No. 2. Body 28 inches long, 20 inches wide in front, 24 inches wide at back, 2¾-inch tire. $7.75.

No. 3. Body 26 inches long, 19 inches wide in front, 22 inches wide at back, 2¾-inch tire. $7.50.



Budding Knives

Pruning Knife

KNIVES

	Each
Budding, Saynor's. No. 400	$3 00
No. 401	3 00
American. No. 2852½ SF	90
No. 2852½BB	90
Pruning, American. No. 2107	1 25
English. No. 924	1 75

PARAGON SPRAYER

TRUCK STYLE

This represents one of the most popular outfits for tree-spraying, whitewashing, etc., and is mounted on strong steel truck and easily wheeled to any desired place; heavy galvanized tank. No. 3, capacity 12 gallons, $25.00.

AUTO SPRAYER NO. 1

KNAPSACK STYLE

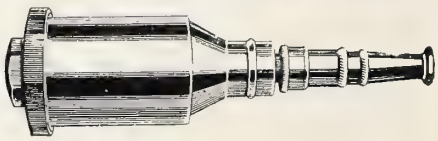
Eight to ten strokes of plunger rod in air-chamber will compress enough air to discharge the entire contents of 3 gallons, and make a continuous spray for nine minutes. Every Auto Sprayer is tested to carry 60 pounds pressure and should be operated in even strokes and not in jerks. An excellent all-round Sprayer. Weight, 18 pounds, packed.

	Each
No. 1B. Brass Tank with Auto Pop Nozzle	$9 50
No. 1D. Galvanized Tank with Auto Pop Nozzle	6 50
Elbow, Brass	35
Nozzles, Auto Pop with Hose and Fitting	2 00
Nozzles, Auto Pop without hose	1 50
Pipe, Extension, Brass, 2-foot lengths	50
Pipe, Extension, Steel, 2-foot lengths	40
Strainer, Brass	1 25

THE KIRKE SYSTEM OF SPRAYING

The Kirke System is an ingenious, scientific method of combining in one operation the several others formerly attendant upon fertilizers and insecticides for lawns, gardens, shrubbery, and foliage. The only clean, odorless, positively active, easily handled, practicable, economical, and efficient method of destroying insects or for fertilizing.

	Each	Doz.
Kirke Feeder (mailing weight 1¼ lbs.)	$3 00	$34 00
Kirke Fertilizer Cartridge	20	2 00
Kirke Nicotine Insecticide Cartridge	$0 35	$4 00
Kirke Arsenate of Lead Cartridge	50	5 75
Kirke Bordeaux Fungicide Cartridge	30	3 50
Kirke Angle-Worm Destroyer Cartridge	80	9 00



Miscellaneous Supplies

CELERY BLEACHERS.

	Doz.	100
6 x 13 inches	$0 60	$4 25
7 x 14 inches	65	4 65

Fruit Picker

FRUIT-PICKER. Capacity 12 small or 6 large apples. No broken limbs. $1.50 each.

Glass Cutter

GLASS CUTTER, No. 1, Turret Head, Tested. (4 ozs.) 35 cts. each.

GLAZING COMPOUND, Glazetite. Gal. $1.65, 5 gals. $8.00, Drum (35 gals.) $52.50.
Mastica. Gal. $2.25.
Puttium (Black). Gal. $1.60, 5 gals. $7.50, 10 gals. $14.00.

GLAZING POINTS, Peerless. Nos. 1, 2, and 2½, 70 cts. per 1,000 (1 lb.).

HOTBED SASH. Best-grade cypress with wood horns, for easy handling. Iron crossbars and lugs. Painted two coats. Glazed double strength and puttied.

	Each	Doz.
Painted and glazed	$9 00	$97 50
Unpainted and unglazed	5 00	50 00

LABELS, Garden.

	100	1,000
8-inch	$0 85	$7 25
10-inch	1 00	9 25
12-inch	1 20	11 00
14-inch	3 30	30 00
16-inch	3 75	34 50
Pot. 4-inch	20	1 65
5-inch	25	2 15
6-inch	30	2 60
Tree	30	2 50

MOSS, Green Log. Large sack $2.50.
Sphagnum, Dried. Per bale $1.50.
Live. Market price.

PLANT TUBS. Painted green with galvanized electric welded wire hoops and handles. If wanted with handles add 20 cents to price of each tub.

	Diam. inside top	Diam. inside bottom	Depth inside	Each
No. 3	8-in.	6-in.	8-in.	$0 65
No. 4	9-in	7-in	9-in.	75
No. 5	10-in.	7½-in.	9-in.	85
No. 6	11-in.	8½-in.	10-in.	1 05
No. 7	12-in.	9-in.	11-in.	1 25
No. 8	13-in.	10-in.	12-in.	1 65
No. 9	14-in.	11-in.	13-in.	1 85
No. 10	15-in.	11½-in.	14-in.	2 00
No. 11	16-in.	12½-in.	15-in.	2 30
No. 12	17-in.	13½-in.	16-in.	2 70
No. 13	18-in.	14½-in.	17-in.	3 25
No. 14	19-in.	15½-in.	18-in.	3 90

POT-HANGERS, Krick's Adjustable.

	Each	Doz.
No. 1. For 3- to 5-in. pots	$0 05	$0 50
No. 2. For 6- and 7-in. pots	05	50
No. 3. For 8- to 10-in. pots	05	50

PUTTY BULBS. For applying Mastica. $1.35 each.

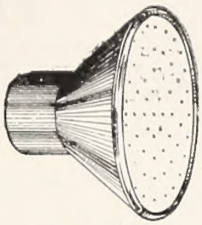
RAFFIA. For tying. Lb. $0 20
5 lbs. 85
10 lbs. 1 50

Putty Bulb

SILKALINE. For stringing smilax and asparagus.
2-oz. spool $0 40
1-lb. box (8 spools) 2 75

Raffia

Angle-Neck



Hothouse

Plain Sprinkler

SPRINKLER, Hothouse. For hose connection, 3-in. face Each $0 75
No. 1 Plain Scollay 1 35
No. 1 Valve Scollay 1 35
No. 1 Angle-Neck Scollay 1 35

STAKES, CANE. Can be cut in lengths to suit.

	100	1,000
5- to 6-foot	$1 00	$9 10
6- to 8-foot	1 35	11 90
6- to 9-foot	1 65	15 00

Bamboo Cane. Japanese; dyed green.

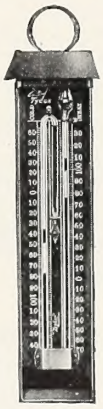
	Doz.	100	1,000
1½-foot	$0 10	$0 65	$5 80
2-foot	10	70	5 95
2½-foot	10	80	6 85
3-foot	15	95	8 65
3½-foot	15	1 00	9 10
4-foot	15	1 25	10 50
Galvanized Wire.			
2-foot	15	95	8 30
2½-foot	15	1 15	9 80
3-foot	20	1 30	11 30
3½-foot	25	1 50	12 80
4-foot	30	1 60	13 20
5-foot	35	1 90	15 90
Hyacinth.			
12-in. Painted green		30	2 35
18-in. Painted green		35	2 85

Wooden Round Tapering, Light Weight.

	Doz.	100
1½-foot	$0 25	$1 65
2-foot	40	3 00
2½-foot	60	4 50
3-foot	80	5 90
3½-foot	1 00	7 40
4-foot	1 20	8 80
5-foot	1 60	11 65
Heavy Wooden or Dahlia.		
3-foot	1 25	9 50
3½-foot	1 45	10 90
4-foot	1 65	12 50
5-foot	2 10	16 00
6-foot	2 60	19 70

5154S

5400



5452

5981

THERMOMETERS, TESTED.

	Each
No. 5400. 8-in. Japanned case	$1 75
No. 5420. 10-in. Japanned case	1 10
No. 5452. 8-in. Self-registering; copper case	6 75
No. 5452. 8-in. Self-registering; Japanned case	6 50
No. 5981. Hotbed	2 15
No. 5154-S. 8-in. Distance reading	75
No. 5154-S. 10-in. Distance reading	1 10

Flower Pots, Saucers, Etc.

When shipped direct to the purchaser from the factory in quantities of 100 to 500 of a size, we allow 10 per cent discount from these prices.

Prices subject to change without notice

Standard Flower Pots.

Inside diam.	Each	Doz.	100	1,000
2-inch	$0 02	$0 17	$1 20	$10 65
2½-inch	03	25	1 60	14 50
3-inch	03	30	2 10	18 90
3½-inch	04	35	2 65	23 85
4-A. Geranium	05	45	3 00	27 00
4-inch	05	50	3 35	30 00
4½-inch	07	60	4 50	40 00
5-inch	09	85	6 00	54 00
6-inch	13	1 30	8 90	80 75
7-inch	21	2 10	14 65	
8-inch	30	3 10	21 60	
9-inch	50	4 80	33 10	
10-inch	65	6 40	44 35	
11-inch	1 00	9 35	65 00	
12-inch	1 30	12 75		
13½-inch	2 15	20 65		
15-inch	3 30	31 90		
16-inch	4 80			
18-inch	7 10			

Bulb- or Azalea-Pots.

	Each	Doz.	100
4-inch x 3-inch	$0 05	$0 45	$3 35
5-inch x 4¼-inch	09	85	6 00
6-inch x 4¾-inch	13	1 25	8 90
7-inch x 5¼-inch	22	2 10	14 65
8-inch x 5¾-inch	32	3 05	21 15
9-inch x 6¼-inch	48	4 60	32 10
10-inch x 6¾-inch	65	6 20	43 20
11-inch x 7½-inch	95	9 15	63 35
12-inch x 8-inch	1 30	12 50	
13-inch x 8½-inch	2 10	20 25	
15-inch x 9½-inch	3 25	31 25	

Fern-Dish Linings.

	Each	Doz.
4-inch x 2½-inch	$0 11	$0 90
5-inch x 2½-inch	14	1 15
6-inch x 2⅝-inch	17	1 40
7-inch x 2⅞-inch	23	1 80
8-inch x 2⅞-inch	34	2 70

Low Pans for Ferns and Seedlings.

	Each	Doz.	100
5-inch x 3¼-inch	$0 10	$0 85	$5 85
6-inch x 3½-inch	13	1 25	8 70
7-inch x 3½-inch	25	2 05	14 35
8-inch x 3¾-inch	30	3 00	20 85
9-inch x 4-inch	45	4 50	31 45
10-inch x 4-inch	65	6 10	42 40
11-inch x 4-inch	95	8 90	61 95
12-inch x 4½-inch	1 25	12 25	85 00

Round Seed-Pans.

	Each	Doz.
9-inch	$0 60	$5 90
12-inch	1 00	9 60

Orchid Pots.

	Each	Doz.
5-inch	$0 35	$3 35
6-inch	45	4 45
7-inch	60	5 55
8-inch	70	6 70
9-inch	95	8 95
10-inch	1 35	13 00

Flower-Pot Saucers.

	Each	Doz.	100
For 4-inch pots	$0 04	$0 35	$2 40
For 5-inch pots	05	45	3 20
For 6-inch pots	07	65	4 75
For 7-inch pots	09	90	6 35
For 8-inch pots	13	1 25	8 65
For 9-inch pots	18	1 75	12 00
For 10-inch pots	20	2 05	14 40
For 11-inch pots	25	2 50	17 50
For 12-inch pots	30	3 10	21 75
For 13½-inch pots	50	5 15	35 85
For 15-inch pots	70	6 85	47 45

Paper Flower-Pots, Neponset Waterproof.

	Doz.	100	1,000
2¼-inch	$0 10	$0 55	$5 00
2½-inch	10	65	5 65
3-inch	15	85	7 65
3½-inch	20	1 10	9 85
4-inch	25	1 35	12 25
5-inch	30	2 10	19 00
6-inch	40	2 75	25 00

Wood Fiber Ware

Vases.

	Inside diam.	Inside depth	Each	Doz.
No. 0	8-inch	13-inch	$2 25	$22 80
No. 1	5½-inch	10-inch	1 95	19 65
No. 2	4½-inch	9-inch	1 70	17 20
No. 3	4-inch	6-inch	1 50	15 00
No. 4	3-inch	4½-inch	1 20	12 10
No. 00	9-inch	22-inch	6 70	67 85
No. 11	5½-inch	18-inch	2 70	26 90
No. 22	4½-inch	15-inch	2 40	24 00
No. 33	4-inch	12-inch	2 15	21 50
No. 44	3-inch	9-inch	1 65	16 60

Saucers.

	Each	Doz.			
5-inch	$0 40	$4 25	10-inch	65	6 35
6-inch	45	4 60	12-inch	75	7 60
7-inch	50	4 95	14-inch	1 00	10 20
8-inch	55	5 35	16-inch	1 80	18 00
9-inch	60	5 85	18-inch	2 10	20 95
			20-inch	2 75	27 30

Roller Stands. With hardwood rollers and ballbearing casters.

	Each	Doz.
12-inch diam. for 10-inch pot	$1 30	$13 35
14-inch diam. for 12-inch pot	1 70	17 00
18-inch diam. for 16-inch pot	2 90	29 30
22-inch diam. for 20-inch pot	3 75	37 80

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J. Horace McFarland Company, Horticultural Printers, Harrisburg, Pa.

YOUR LAWN—SOME PRACTICAL ADVICE

The two best times to start a lawn or pasture are early spring and early autumn—the seasons of abundant moisture, warm days, and cool nights. Spring sowings should be made as soon as the ground can be prepared to receive the seed, while fall sowings should be made during September.

Good Soil and Proper Drainage are absolutely necessary to produce a fine lawn. For best results, there should be no less than a foot of good surface soil—preferably a heavy loam. Where it is necessary to grade the surface, all subsoil should be removed and replaced with good earth. Unless the soil is sufficiently rich, apply a liberal quantity of well-rotted manure and dig or plow it in, to thoroughly incorporate it with the soil. A heavy application of manure is particularly advisable on light or sandy soils where, otherwise, the grass is liable to burn out in hot, dry weather.

Prepare the Seed-Bed Thoroughly. Rake or harrow the surface fine and even. After sowing the seed, rake again lightly and firm the soil with a lawn roller. Do not attempt to dig, rake, or roll a lawn when the ground is wet. **On Banks and Terraces,** where the seed is liable to be washed off by rains before it has sprouted, a quick catch can be secured by mixing the seed with moist earth about one week before sowing; then, at the expiration of that time, when the seed (with the earth) is sown, much of it is ready to sprout.

The First Cutting should not be made until the young grass is 3 to 4 inches high and even then it should not be cut too short as close cropping is injurious to a new lawn. Mow the lawn, thereafter, at intervals of about ten days and rake off the clippings. Grass sown during September will, under favorable conditions, grow sufficiently to necessitate one cutting before frost, in which case the clippings should be left on the lawn to serve as a mulch.

Frequent Rollings are beneficial after a lawn is once well established, especially in early spring after the winter frosts have drawn up the roots of the grass.

Sow Good Seed. There are many grades of lawn seed sold. Needless to say, it pays to use nothing but the best obtainable. No one kind of grass will make a good lawn. The changeable moods of our climate, the widely varying conditions of soil and moisture-supply require a combination of many different grasses adapted to many different conditions. The subject of lawns has been a long and thorough study with us. **Beckert's Lawn Grass Mixtures** are carefully composed of the finest domestic and imported turf grasses, free from chaff and weed seeds, and strong in vitality. You can depend on them to produce lasting lawns of the finest texture and most attractive appearance.

BECKERT'S EVERGREEN LAWN SEED

We offer in our Evergreen Mixture a well-balanced blend of the finest and most enduring grasses we know—the result of years of study and trial. It is our masterpiece. Tested and proved, we can recommend it with the highest confidence for permanent and satisfactory results under even the most trying conditions. Its ingredients are the highest grade of recleaned seeds only. This lawn seed is now sold only by weight. Use one pound to 350 square feet, 125 pounds to the acre. **Lb. 45 cts., 5 lbs. $2.00, 10 lbs. $3.75, 25 lbs. $8.75, 50 lbs. $16.00, 100 lbs. $30.00.**

(Parcel post or express prepaid in the United States within a radius of 1500 miles from Pittsburgh.)

SHADY-NOOK LAWN MIXTURE

A mixture of grasses particularly adapted for sowing in shady places where the ordinary lawn grasses do not thrive. It will produce a bright, green lawn under trees and in the shade of buildings and shrubbery where bare, unsightly spots so often appear. **Lb. 55 cts., 5 lbs. $2.50, 10 lbs. $4.75, 25 lbs. $11.25, 50 lbs. $21.00, 100 lbs. $40.00.**

PUTTING-GREEN MIXTURE

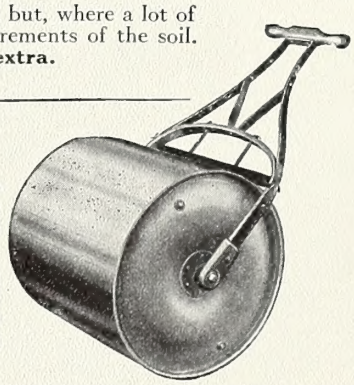
The finest, hardy, low-growing grasses are contained in this mixture, which will produce a close and lasting putting-green turf. **Lb. 75 cts., 5 lbs. $3.60, 10 lbs. $7.15, 25 lbs. $17.50, 50 lbs. $33.50, 100 lbs. $65.00, postage extra.** (Prices subject to change.)

FAIR-GREEN MIXTURE

The best selection of grasses for an even, tough, permanent turf. Gives general satisfaction but, where a lot of seeding is to be done, we prefer to supply a special formula, according to the particular requirements of the soil. **Lb. 40 cts., 5 lbs. $1.75, 10 lbs. $3.25, 25 lbs. $7.50, 50 lbs. $13.50, 100 lbs. $25.00, postage extra.**

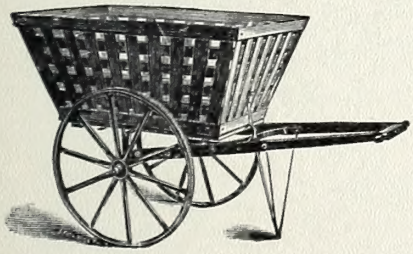
NOTE: ALL LAWN SEED PRICES ARE SUBJECT TO CHANGE

WATER-WEIGHT LAWN-ROLLERS



These Rollers have strong, one-piece, hollow steel drums into which water or sand can be poured until the Roller is just the right weight for any job. By varying the amount of water, the same Roller may be used on soft lawns or on the tennis-court or drives, and, when not in use and empty, it is light enough to be easily handled and stowed away in the basement or garage.

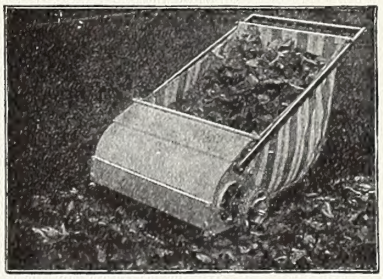
No. 601, Diam. 14 in., length 24 in.; weight empty 60 lbs., filled with water 250 lbs. $18 50
No. 602, Diam. 18 in., length 24 in.; weight empty 75 lbs., filled with water 330 lbs. 22 25
No. 603, Diam. 24 in., length 24 in.; weight empty 100 lbs., filled with water 440 lbs. 25 75
No. 604, Diam. 24 in., length 32 in.; weight empty 115 lbs., filled with water 590 lbs. 28 00



THE PENNSYLVANIA LAWN-SWEEPER

This Lawn-Sweeper will do the work of three men and will do it thoroughly.

24-inch rake $35 00
36-inch rake 48 00



LEAF-RACK

Complete, $32.50

BECKERT'S EVERGREEN
LAWN SEED

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